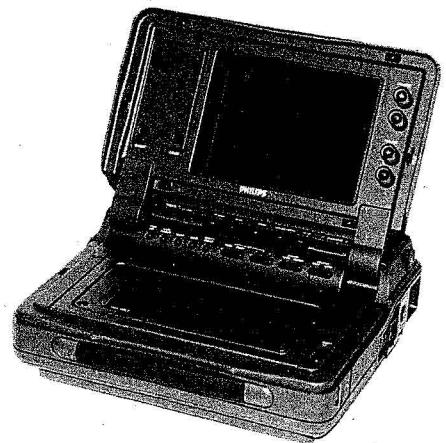


Service Service Service



For the adjustment procedures of the tape deck mechanism reference is made to the Service Manual 4822 726 14818.

Service Manual



PVR570 is a video cassette recorder with a 5.7 inch LCD TV and electronic timer, suitable for recording and playing back TV-signals which meet the CCIRPAL-BG/I, SECAM-BG/L/L' standard.

The signals are recorded on tape according to the VHS-standard.

The recorder is operated in the Standard Play (SP) mode. The video cassette recorder has been provided with "on screen display" (OSD).

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Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified be used.

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1. SPECIFICATIONS

MAIN UNIT

GENERAL

Supply voltage : 12Volt DC
 Power consumption : 14.5W

AC adapter/Battery charger

Mains voltage : 110 - 240V Auto select
 Main frequency : 50/60 Hz
 Output voltage : 12V DC
 Output current : 1.2 A
 Charging time of a banery SBC3641 : approx. 110min.

Battery

Output voltage : 12V
 Loading capacity : 2.5Ah

VCR Section

Recording system : VHS, PAL and MESECAM, SECAM-OST
 Tape speed : 23.39 mm/sec.
 Recording time : Maximum 4 hours with E-240
 Fast-forward/Rewind time : 10 minutes (approx.) with E-180

Dimensions

Weight : Approx. 2.95 Kg

Operating Temperature Range : 5°C - 40°C
 Relative Humidity : 10% - 75%

TV Section

LCD Panel : 5.7-inch square TFT active matrix LCD

Number of pixels : 240 x 720 (172,800)

Channels

	VHF I	VHF III	UHF	CATV
PAL BG	2 - 4 13 - 15 (E2 - E4) (A - C)	5 - 12 16 - 20 (E5 - E12) (D - H)	21 - 69 (21 - 69)	74 - 99
PAL I	2 - 4 (IA - IC)	5 - 11 (ID - IK)	21 - 69 (21 - 69)	
SECAM L LL	2 - 4 (L2 - L4)	5 - 11 (L5 - L10)	21 - 69 (21 - 69)	

Tuning system : Automatic PLL tuning

Speaker : 50 mm round speaker

Video input : 1.0 Vp-p, 75 ohm CINCH

Video output : 1.0 Vp-p, 75 ohm CINCH

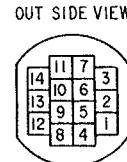
Audio input : 200 mV, 47 Kohm CINCH

Audio output : 500 mV, 1 Kohm CINCH

External Antenna socket : 3.5 mm φ jack

Headphones socket : 2 x 8 ohm minimum Mini jack

Accessory connector



- | | | |
|-------------|---------------|---------------|
| 1) EXT. 12V | 2) BATT 12V | 3) GND |
| 4) N.C. | 5) AUDIO IN | 6) CHARGE ① |
| 7) N.C. | 8) Y-IN | 9) GND |
| 10) C-IN | 11) VIDEO OUT | 12) AUDIO OUT |
| 13) GND | 14) GND | |

Accessories supplied

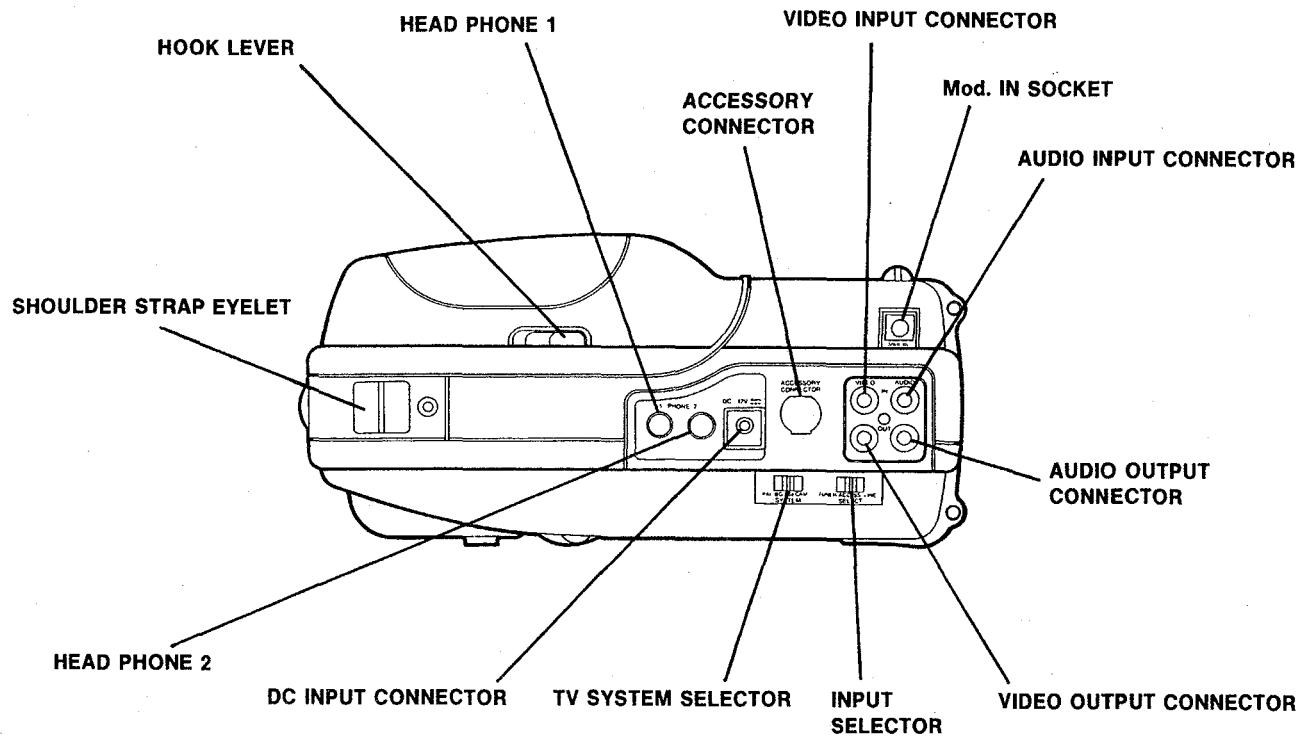
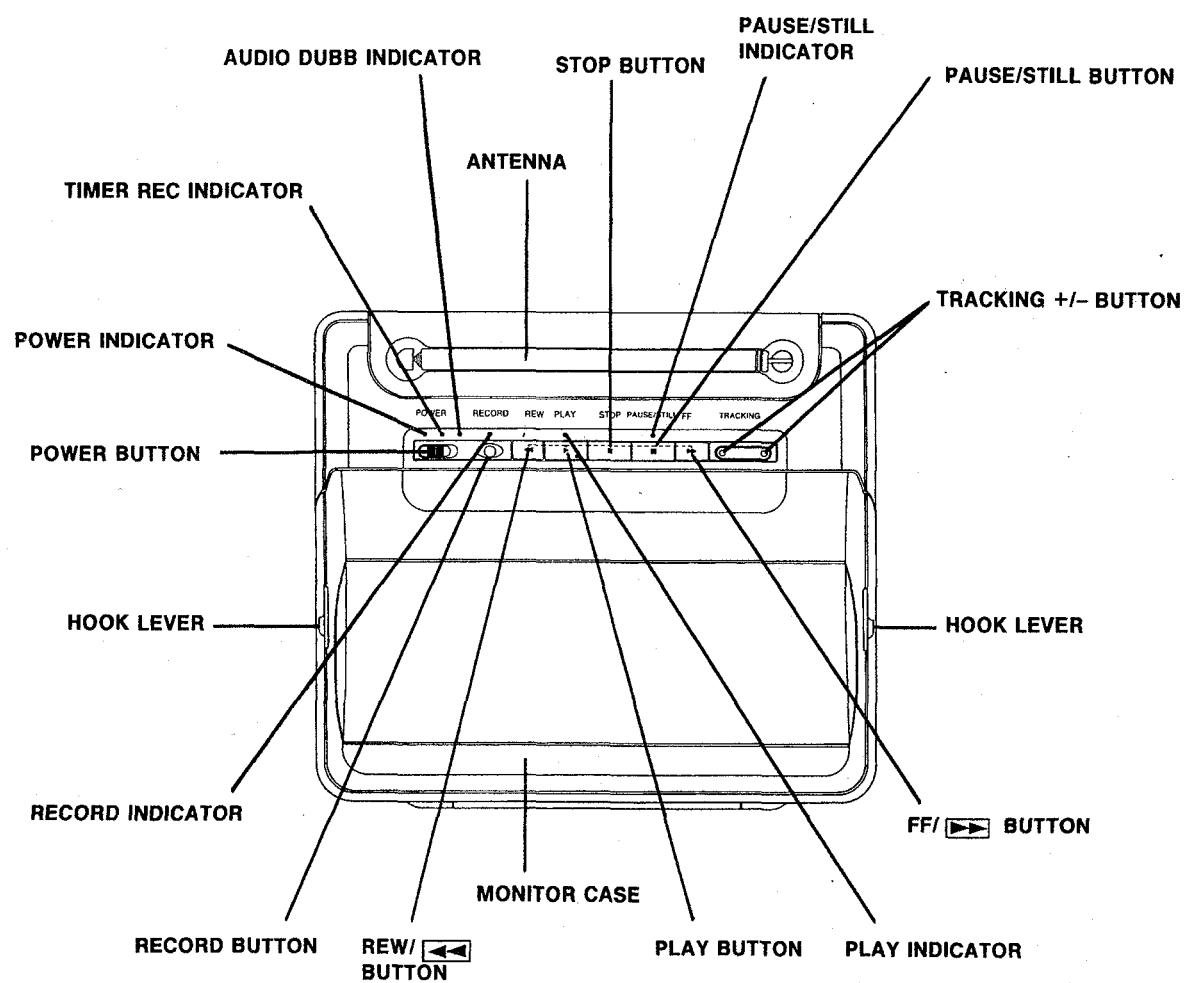
AC adapter/Battery charger : SBC3645
 Battery pack : SBC3641
 Shoulder strap : 22AV 5263/00
 Antenna adapter cable : 22AV 5262/00
 Lithium battery : SBC3646
 Soft case : SBC3647
 Remote control unit : SBC3647

Optional (recommended) accessories

Car adapter cable : SBC3648
 Carrying case : SBC3644
 Head phone : SBC3171 /SBC3174
 Earhone : SBC3134

As part of our policy of continuous improvement, we reserve the right to alter design and specifications without notice

2. DESCRIPTION OF CONTROLS



WARNINGS**1. ESD**

Many ICs, SMD's and many other semi-conductors are susceptible to electrostatic discharges(ESD). Careless handling during repair can reduce life drastically. When repairing, make sure that you are connected with the same potential as the mass of the set via a wrist wrap with resistance. Keep components and tools on the same potential.

2. Never replace any parts while the set is switched on.
3. Use plastic instead of metal alignment tools. This is in order to prevent a short circuit or a specific circuit being rendered unstable.
4. Proceed with care when measuring the fluorescent lamp drive circuit.
5. Critical components having special safety characteristics are enclosed within a broken line (where several critical components grouped in one area) along with the safety symbol  on the schematics or exploded views.

3. SERVICE MODE**3.1 HOW TO OPERATE SERVICE MODE**

While the set is power off, press of STOP and REW button simultaneously and power switch on will make the service mode.

3.2 SPECIAL FUNCTION WHILE SERVICE MODE

- a) **FUNCTION OF CHECKING MICROPROCESSOR VERSION**
Indicate OSD automatically during the first of service mode.
- b) **FUNCTION OF EEPROM INITIALIZATION**
Press CH MEMO button, then press CLEAR button will make EEPROM initialization.
→ Full channel is stored. (BG = 02 ~ 69, 74 ~ 99
I = 02~ 11, 21 ~ 69 LL' = 02 ~ 10, 21 ~ 69)
- c) **FUNCTION OF CLOCK INITIALIZATION**
Press SET CLOCK button, then press CLEAR button will make CLOCK initialization.
- d) **FUNCTION OF AUTO REWIND AND PLAY**
When the start of tape is reached, the back plays automatically.

3.3 OSD INDICATION OF SPECIAL FUNCTION DURING SERVICE MODE
 OSD indications are following.
1) μP VERSION

MODEL	PVR5	P1
-------	------	----

2) EEPROM INITIALIZATION

ROM	INITIALIZED
-----	-------------

3) CLOCK INITIALIZATION

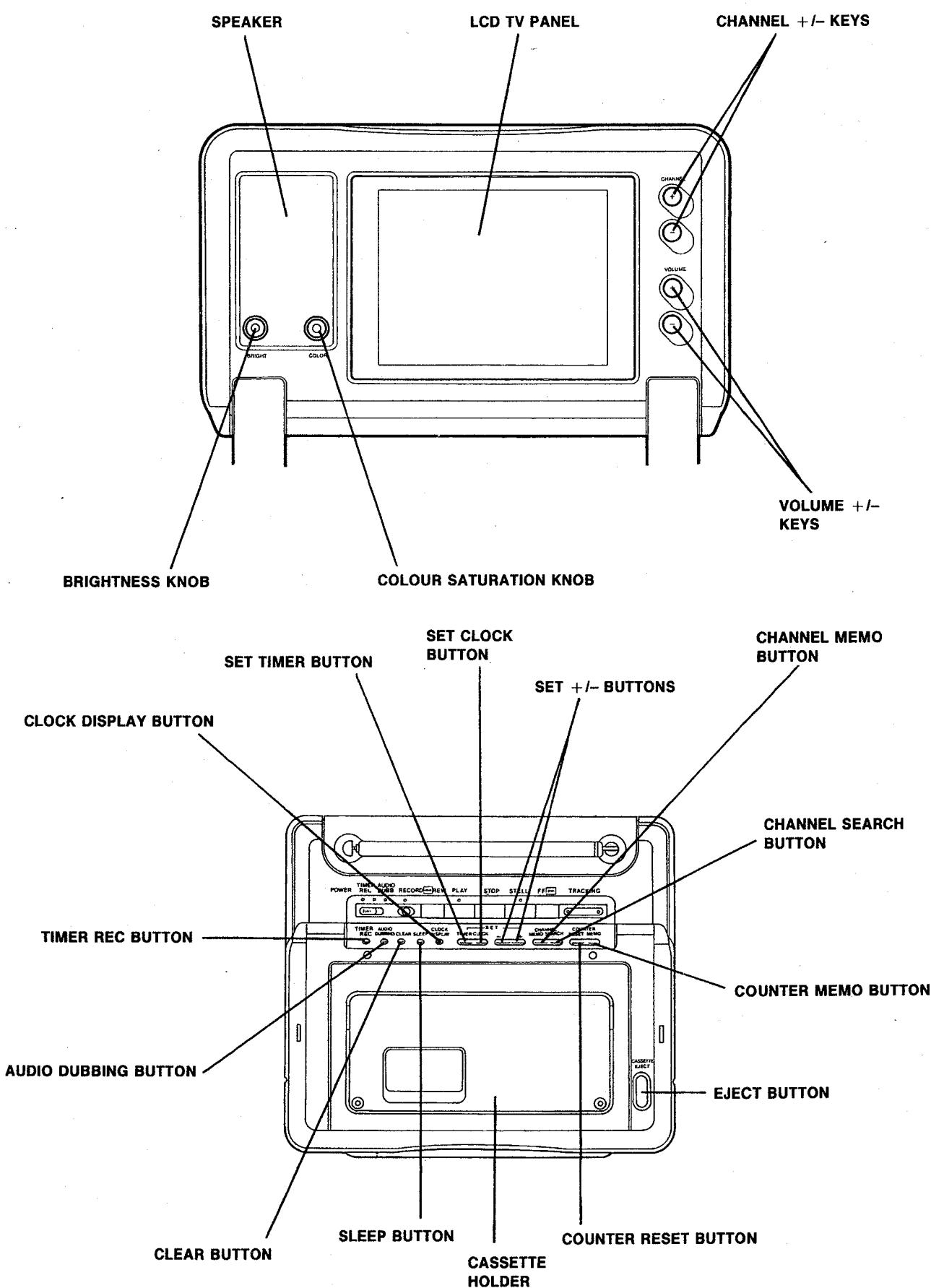
CLOCK	INITIALIZED
-------	-------------

3.4 HOW TO ESCAPE SERVICE MODE

Service mode is kept while power on. It is necessary for escaping service mode to make power off.

3.5 DIFFERENCE OF MOVEMENT BETWEEN SERVICE MODE AND NORMAL MODE.

OPERATION	SERVICE MODE	NORMAL MODE
VOLUME +/-	5 SEPS($0, \frac{1}{4}, \frac{1}{2}, \frac{3}{4}, 1$)	64 STEPS (0 ~ 63)
REW	AUTO PLAY when tape reaches start.	STOP when tape reaches start.
CH +/-	Center frequency only	Micro and fine step tuning
SEARCH	Cannot use	Auto search tuning and memory



5. DISASSEMBLY OF CABINET PARTS AND REPLACEMENT

5.1 Rear cover removal (Antenna cover)

1. Remove two screws.

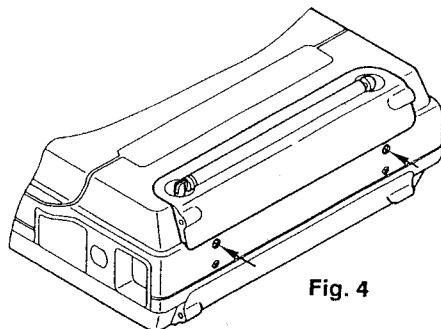
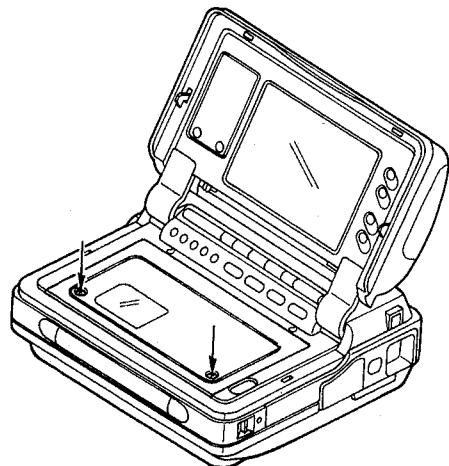


Fig. 4

5.2 Cassette cover removal

1. Remove two screws.



5.3 Top case removal

1. Remove two screws from the top side, two screws from the rear side and two screws from the left and right side.

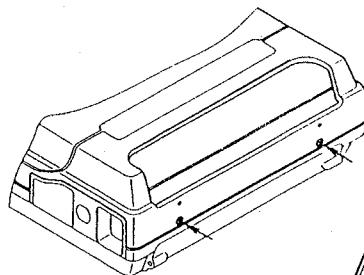


Fig. 6

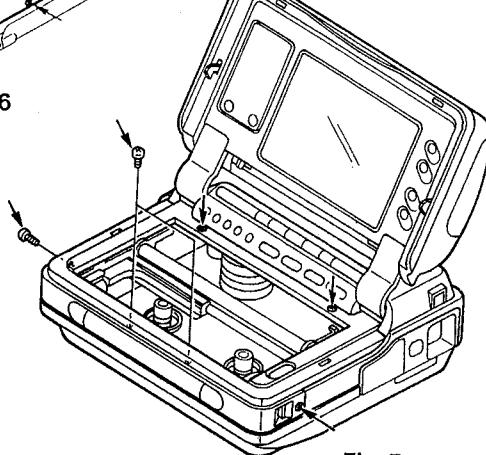


Fig. 7

5.4 Bottom plate removal

1. Remove four screws.

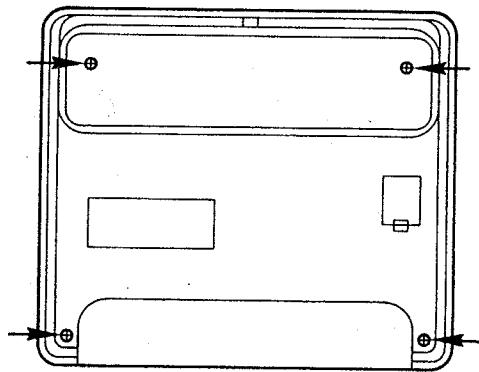


Fig. 8

5.5 P.C. boards removal

1. Release three hooks and remove one screw to remove the P.C. Board (A).
2. Remove two screws to remove the P.C. Board (B).
3. Release three hooks to remove the P.C. Board (C).
4. Remove one screw to remove the P.C. Board (D).

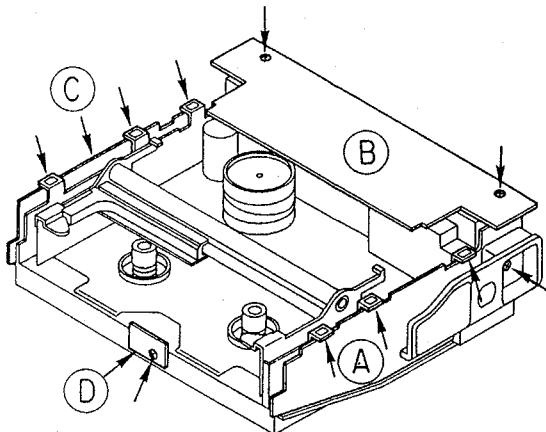


Fig. 9

5.6 Chassis removal

1. Remove three screws.

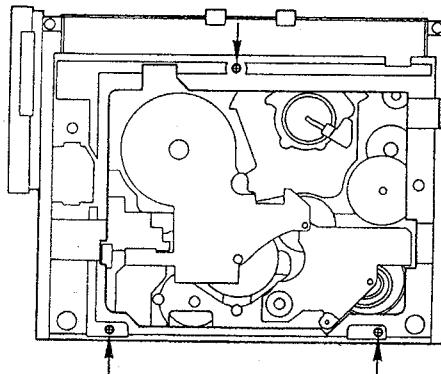


Fig. 10

4. SERVICING OF SMALL CHIP PARTS

4.1 General cautions on handling and storage

- Oxidization on the chip's terminals results in poor soldering. Do not handle them with bare hands.
- For storage, avoid the following places where oxidation will occur, and their capacitance and resistance will deteriorate.
 - In areas with sulfur or chlorine gas.
 - Directly sunlit places
 - High temperature/high humidity places
- Rough handling of circuit boards containing Surface Mounted Devices (SMD's) can cause damage to the components as well as the circuit boards. Circuit boards containing SMD's should never be bent or flexed. Different circuit board materials expand and contract at different rates when heated or cooled and the components and/or solder connections can be damaged by the stress. Never rub or scrape chip components as this may cause the value of the component to change. Similarly, do not slide the circuit board across any surface.

4.2 Removal of a chip

- Heat the solder (for 2–3 seconds) at each terminal of the chip. You can remove small components with the soldering iron using a little force in horizontal direction while removing solder with braid. See Fig. 1A.
- Holding the chip with a pair of tweezers take it off gently using the soldering iron's heat applied on each terminal. See Fig. 1B.
- The printed board has to be free from excess solder, so that it is ready for the mounting of new components. See Fig. 1C.

Caution on removal:

- When handling the soldering iron, use suitable pressure and be careful.
- When removing the chip, do not use undue force with the pair of tweezers.
- The soldering iron in use should be 30W; it is best if provided with a thermal control (soldering temperature about 225 to 250°C).
- The chip, once removed, should **never** be used again.

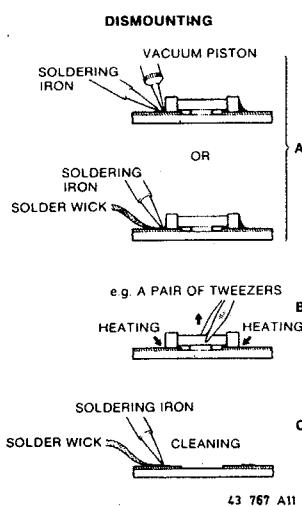


Fig. 1

4.3 Attachment of a chip

- Temporarily solder one terminal of the chip on the copper foil surface. See Fig. 2A.
- Holding one end of the chip with a pair of tweezers, completely solder both terminals, one after the other. See Fig. 2B.

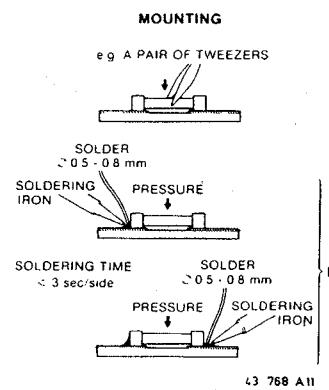


Fig. 2

Caution on attachment:

- When soldering the chip terminals, do not touch them directly with the soldering iron. The soldering must be as quick as possible, being careful not to hurt the terminals and the body itself.
- Keep the chip's body in contact with the printed board when soldering.
- The soldering iron in use should be 30W; it is best if provided with a thermal control (soldering temperature about 225 to 250°C).
- Soldering should not be done outside the specified area.
- Soldering flux (of rosin) may be used but should not be acid.
- After soldering, let the chip cool down gradually at room temperature.
- The soldering amount should be proper: with an excessive amount the chip may be cracked and subject to other troubles (curvature of printed board, cramp of terminals, etc) See Fig. 3.

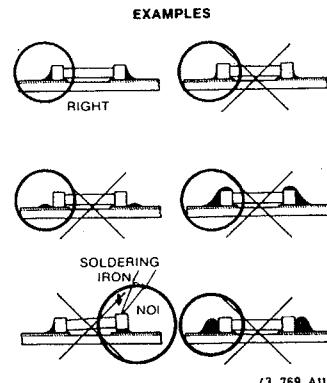


Fig. 3

MECHANICAL ADJUSTMENT IS REFERRED TO VKR6855 (4822 726 14818).

5.12 Replacement of DD cylinder unit

Work with extreme care when removing or replacing the DD cylinder unit.

Do not touch video heads during servicing

- (1) Remove the screw (E) to take the Earth Holder Unit out.

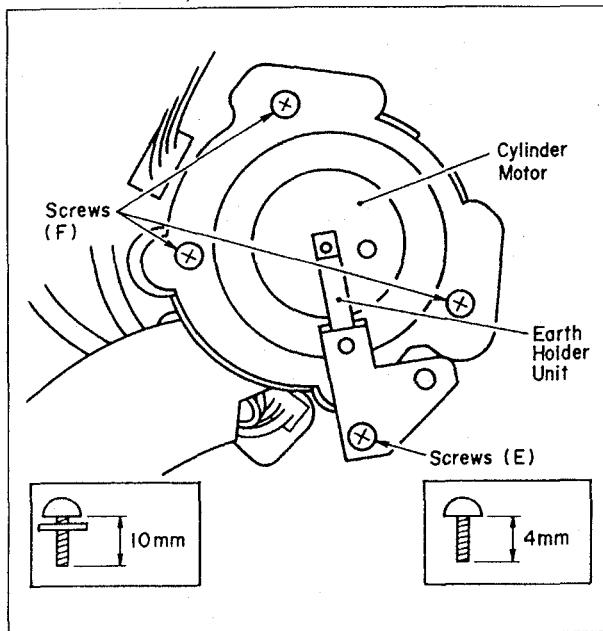


Fig. 17

- (2) Remove the 3 screws (F) to take DD cylinder unit out.

NOTE:

Since there is very little clearance between DD cylinder unit and chassis, handle with care.

- (3) Reinstall the new DD cylinder unit, tighten the 3 screws (F).

5.13 Replacement of upper cylinder unit

Be sure to observe the following procedures when replacing Upper Cylinder Unit.

- (1) REMOVING THE UPPER CYLINDER UNIT
 - a. Remove the 2 screws as shown in Fig. 18.
 - b. Unsold the 10 soldered portions indicated by arrows on Circuit Board.
 - c. Remove the Upper Cylinder Unit by lifting it upwards.

NOTE:

Soldered portion can be easily removed by using solder sucking wire, etc.

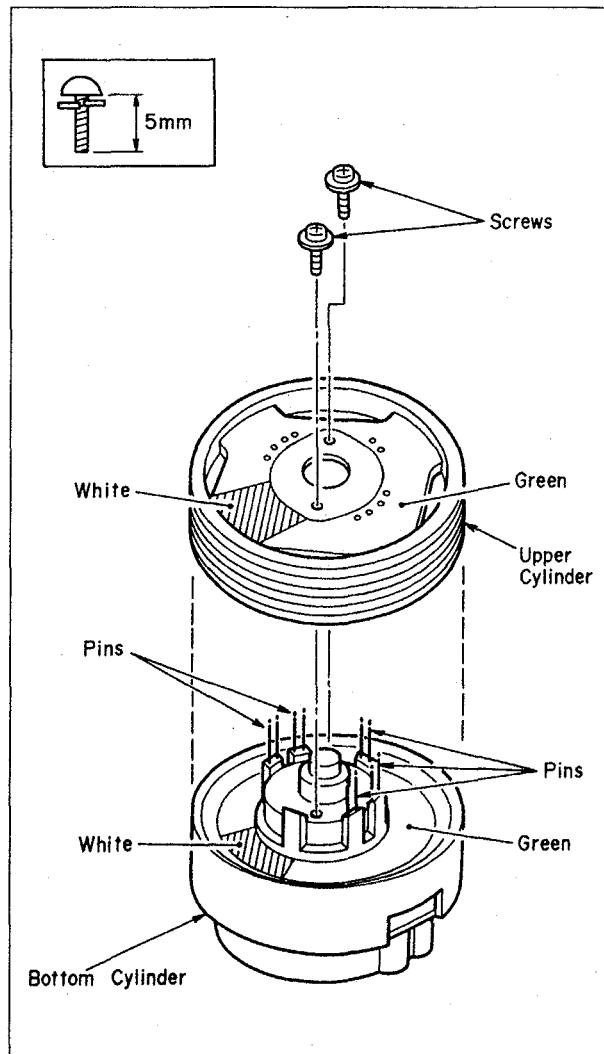
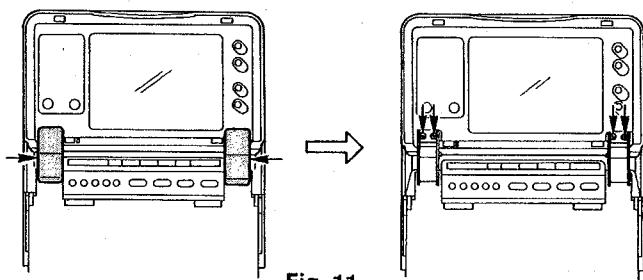


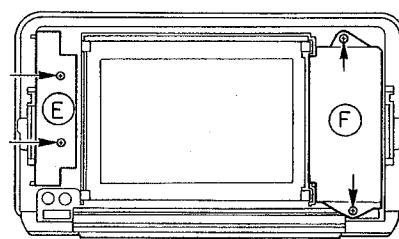
Fig. 18

5.7 LCD monitor unit and operational section removal

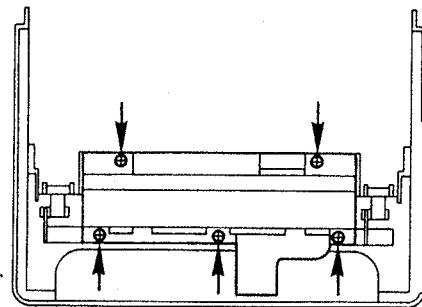
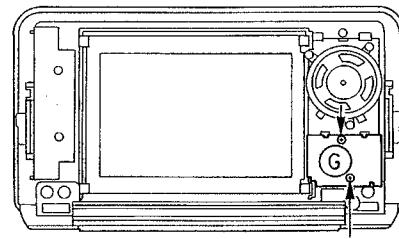
1. Remove two blind boards and the screws will be revealed.
2. Remove four screws.

**Fig. 11****5.11 LCD monitor P. C. board removal**

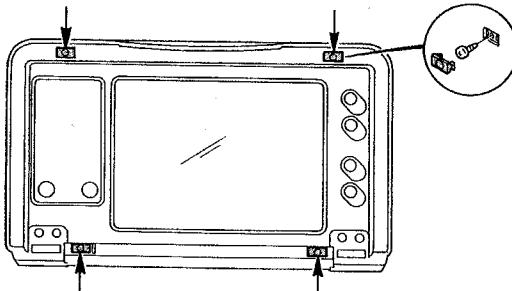
1. Remove two screws from the P. C. Board (E).
2. Remove two screws from the case (F).
3. Remove two screws from the P. C. Board (G).

**Fig. 15****5.8 Operation P.C. board removal**

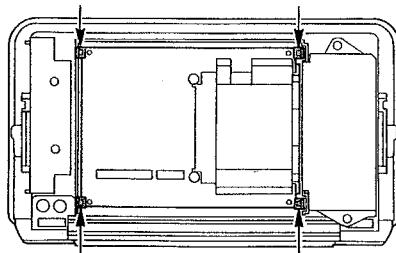
1. Remove five screws.

**Fig. 12****Fig. 16****5.9 LCD monitor case removal**

1. Remove four blind lids and screws will be revealed.

**Fig. 13****5.10 LCD monitor unit removal**

1. Release four hooks to remove the LCD monitor unit.

**Fig. 14**

6.2 Back tension adjustment

- * Equipment Required:
Back Tension Meter
VHS Cassette Tape
- * Specification 19 ~ 23g

- (1) Playback the cassette tape from the beginning and wait until the tape movement get the stabilization. (for approx. 10 ~ 20 seconds)
- (2) Insert the Back Tension Meter into the path of a tape, and measure the back tension to be within specification as shown in Fig. 22.

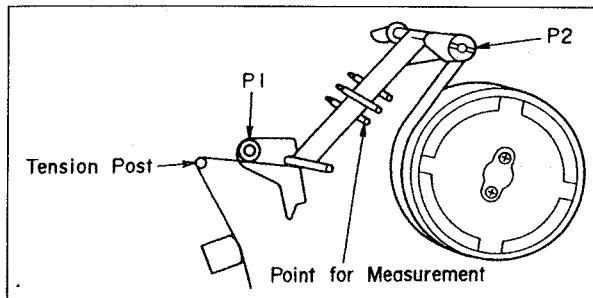


Fig. 22 Measurement of Back Tension

NOTE:

1. While measuring, make sure that the three probes of the meter are all in good contact with the tape.
2. As the tension meter is very sensitive, we recommend taking 3 separate readings.
3. If it is out of specification, change the spring notch as shown in Fig. 23.

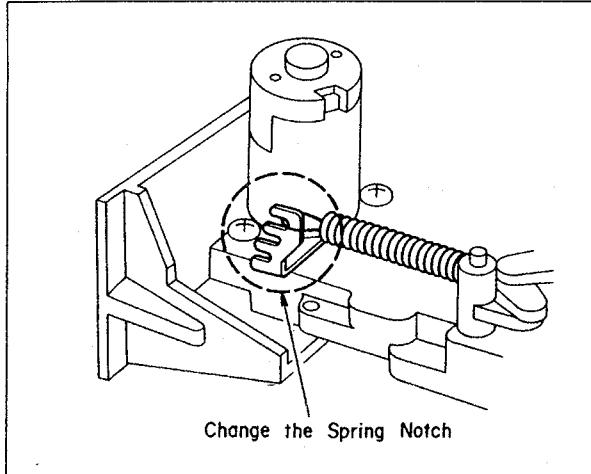


Fig. 23

6.3 Confirmation of A/C head height

NOTE:

Unless the A/C Head is replaced, this procedure should not be performed.

- (1) Looking at the lower edge of the control head within the tape running, ensure that lower edge of the tape runs along 0.25mm far from lower edge of the control head (little bit up position from lower edge of control head). If it doesn't, slightly turn the nut (A) in either direction to correct clockwise to lower the head and counterclockwise to raise it.

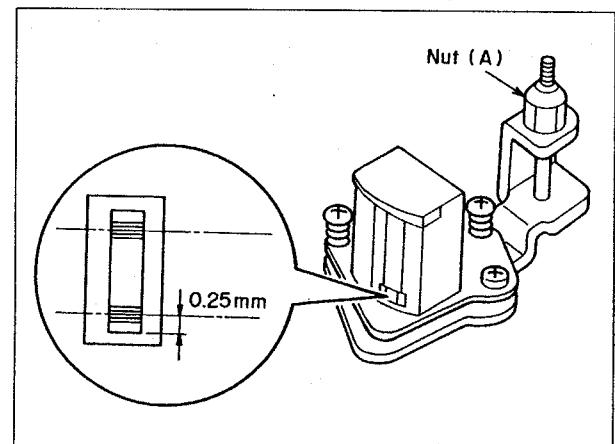


Fig. 24

(2) REINSTALLING THE UPPER CYLINDER UNIT

The Upper Cylinder Unit can be reinstalled by reversing the removal procedure. However, when reinstalling, it must be extremely careful so that both the white and green portions of the Circuit Board on the Upper Cylinder Unit will correctly match the white and green portions of the Circuit Board on Bottom Cylinder as shown in Fig. 19.

NOTE:

If the Upper Cylinder Unit is reversely installed, no colour will appear when playing back a pre-recorded tape.

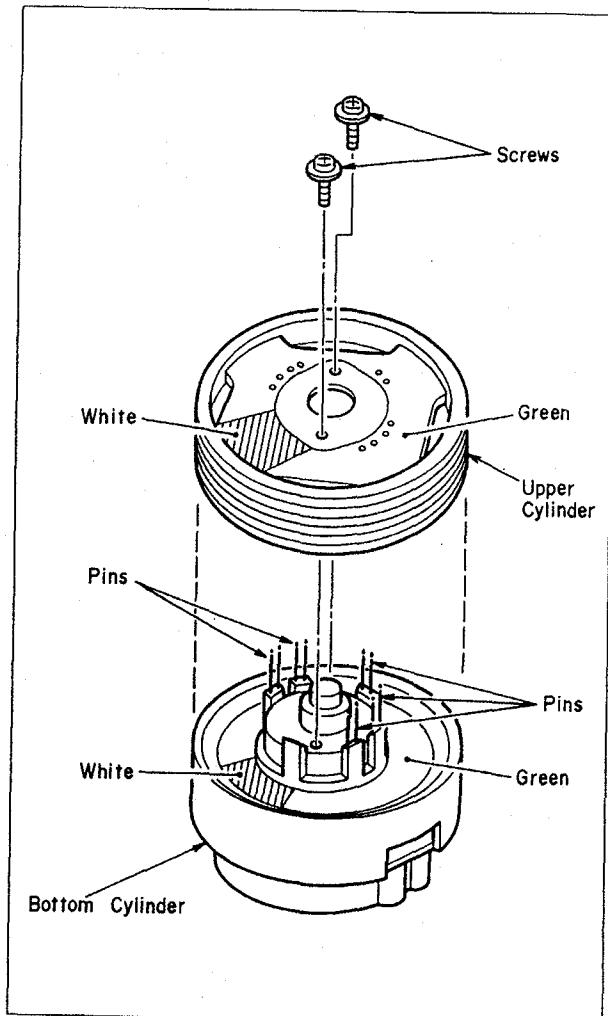


Fig. 19.

6. MECHANICAL ADJUSTMENT PROCEDURES

6.1 Confirmation of Brake Torque

* Equipment Required:

Dial Torque Gauge

Adaptor for Gauge

* Specification see spec, table (Fig. 21)

- (1) Remove the cassette compartment by unscrewing 4 screws.
- (2) Attach the adaptor to the torque gauge and place the unit in STOP mode.
- (3) Place the torque on the reel table.

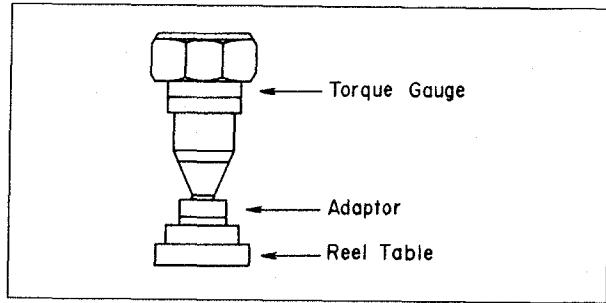
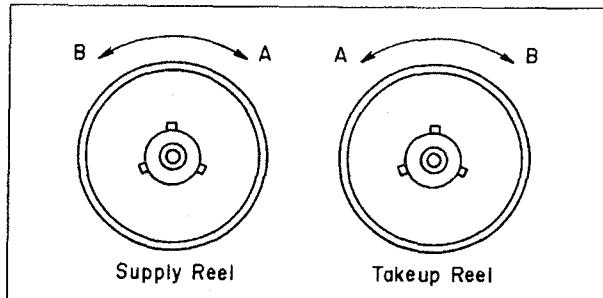


Fig. 20

- (4) Turn torque gauge in either direction indicated in the Fig. 21, and read the gauge when the brake begins slipping.

NOTE:

If proper brake torque can not be obtained, check the both take-up and supply clutch gear.



	A	B
Takeup	$28 \pm 8\text{g-cm}$	$28 \pm 8\text{g-cm}$
Supply	$28 \pm 8\text{g-cm}$	$28 \pm 8\text{g-cm}$

Fig. 21

7.5 Video section (Luminance section)

7.5.1 E-E level

- Feed a PAL colour bar with white window signal to the VCR.
- Connect the A channel of the oscilloscope to TP454 in the Audio/video section of the PV01.
- Set the sensitivity of the oscilloscope to 0.2V/Div. and the time base to 10 μ sec./Div.
- Adjust the signal on TP454 to 1.0 ± 0.05 Vp-p (when terminated with 75 ohm) or to 2.0 ± 0.1 Vp-p (when unterminated) with R337 in the luminance section of the PV01. (Fig. 26)

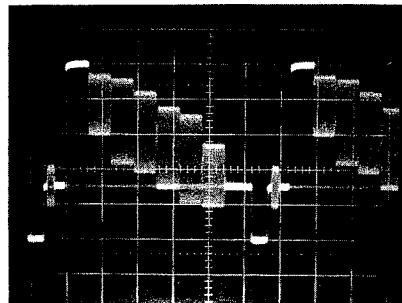


Fig. 26

7.5.2 Sync. tip frequency and deviation

7.5.2a Sync. tip frequency

- Put the VCR in the STOP mode.
- No input signal to the VCR.
- Connect a frequency counter to TP308 in luminance section of PV01.
- Adjust the frequency of the signal on TP308 to 3.8 ± 0.04 MHz with R310 in the luminance section of PV01.

7.5.2b Play-back level

- Load the alignment tape into the VCR.
- Connect the A channel of the oscilloscope to TP454 in the Audio/video section of PV01.
- Set the sensitivity of the scope to 0.2V/Div., the time base to 10 μ sec./Div.
- Put the VCR in play-back mode.
- Adjust the amplitude of the signal on TP454 to 1.0 ± 0.05 Vp-p. (when terminated with 75 ohm or 2.0 ± 0.1 Vp-p. when unterminated) with R321 in the luminance section of PV01. (Fig. 27)

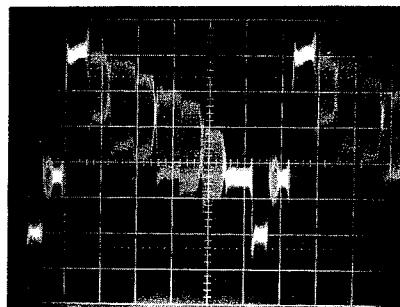


Fig. 27

7.5.2c Deviation

- Put the VCR in the STOP mode.
- Feed a colour bar with white window signal to the VCR.
- Connect the A channel of the oscilloscope to TP308 in the luminance section of PV01.
- Set the sensitivity of the scope to 0.2V/Div., the time base to 0.5 μ sec./Div., the timebase magnifier to 10 x.
- Adjust A = 0.21 ± 0.01 μ sec. of Fig. 28 with R312 in the luminance section of PV01.
- Adjust from the beginning of the sweep and measure the first line seen, which is the white windowtrace on the multiple wave form.
- Focus the scope on the first multiple waveform trace (Fig. 28).
- After completion of the adjustment self record a colour bar with white window.
- Play-back the portion just recorded and confirm the level at TP454 is 1.0 ± 0.05 Vp-p. (terminated) or 2.0 ± 0.1 Vp-p. (unterminated).
- If the levels are not correct then confirm 5.4.2b (Play back video level) and readjust the deviation again.

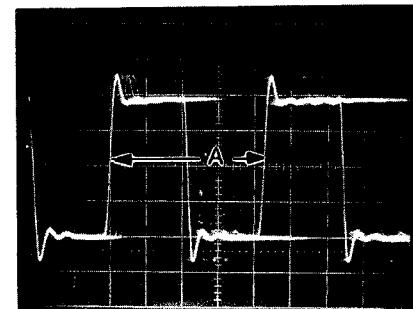


Fig. 28

7.6 Timer tuning section

7.6.1 Clockfrequency

- Put the VCR in the stop mode.
- Set clock.
- Connect a frequency counter via a 1:10 probe to TP6K6 in Timer/Tuning section of PL01.
- Adjust the frequency of the signal on TP6K6 to 32.768 KHz ± 0.1 Hz with C6L0 in the Tuner timer section of PL01.

7. ELECTRICAL ADJUSTMENT PROCEDURES

7.1 Test equipment

- DVM (Digital voltmeter)
 - Measuring range: 0.01 - 50V
 - Dual trace oscilloscope
 - Sensitivity: 0.001 - 50V/Div.
 - Frequency counter
 - Frequency range: 0 - 50 MHz
 - Signal generator
 - Sine wave: 0 - 10 MHz
 - PAL Video pattern generator
 - Colour TV Receiver or Monitor
 - Plastic Tip driver and non metallic screwdriver
 - VHS Alignment tape (4822 397 30103)
 - Extended cable (4822 321 60981)

7.2 Power supply section

7.2.1 Reg. 9V

- Supply the DC voltage $12.6V \pm 0.05V$ to the J102 connector Pin (1) Hot and Pin (2) GND.
- Connect the DVM to TP106 on the power supply section of PD01.
- Put the VCR in the REC mode.
- Adjust the voltage between TP106 and GND to $8.6^{+0.1}_{-0.05}V$ with R141 in the VIDEO power supply section of PD01.

7.2.2 Reg. 5V

- Supply the DC voltage $12.6V \pm 0.05V$ to the J102 connector Pin (1) Hot and Pin (2) GND.
- Connect the DVM to TP107 on the VIDEO power supply section of PD01.
- Put the VCR in the REC mode.
- Adjust the voltage between TP107 and GND to $5.00 \pm 0.02V$ with R131 in the power supply section of PD01.

7.3 Servo section

NOTE:

When making adjustments in the servo section of the VCR, always take care that the tape deck has been correctly aligned and that the tracking control is in its centre position.

7.3.1 Head switch point

- Connect the A channel of the oscilloscope to J454 in the Audio/Video selector section of PV01, sensitivity 1 V/Div.
- Connect the B channel of the oscilloscope to TP206 on the servo section of PD01, sensitivity 2V/Div.
- Set the time base of the oscilloscope to $50\mu\text{sec./Div.}$ (using delay mode)
- Trigger the time base with the signal on TP206 (+ slope).
- Play-back the colour part of the alignment tape.
- Adjust R246 in the servo section PD01 such that 6.5 ± 1 lines prior to the frame sync. pulse are visible. (Fig. 25)

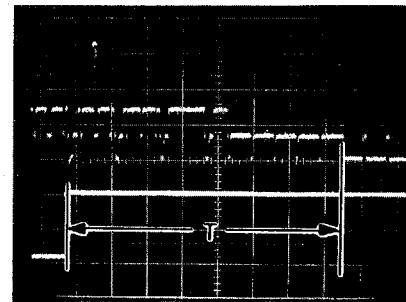


Fig. 25

7.4 Normal audio section

7.4.1 Bias current

- Adjust the VCR to AV input.
- Supply a colour bar signal to the video input terminal.
- Short circuit the audio input terminal.
- Load a cassette tape into the VCR.
- Connect an oscilloscope or a millivoltmeter to TP404 in the Audio section of PV01.
- Connect the shield of the measuring cable to TP405 in the Audio section of PV01.

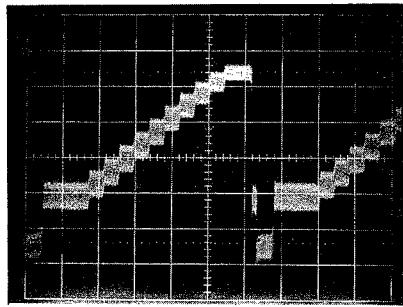
NOTE:

Maximum length of measuring cable 1 meter.

- Put the VCR in the record mode.
- Adjust the signal level on TP404 with R428 in the audio section of PV01 to $2.1 \pm 0.1 \text{ mV RMS}$ on the millivoltmeter or to $5.9 \pm 0.2 \text{ mVp-p}$ on the oscilloscope.

7.8.7 PAL SIF trap

- Receive the PAL-B/W stair step.
- Connect the oscilloscope to TP705 and set the oscilloscope so that the 1 line waveform can be obtained.
- Adjust L702 on RF/IF section of PL01 so that the 5.5 MHz beat amplitude on the TP705 video waveform becomes minimum.



7.9 LCD section (Chroma decoder section)

All test points and adjustment points used for this section are on chroma decoder section of PC01.

7.9.1 VDC

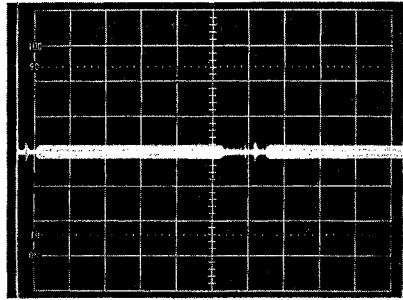
- Receive the PAL-B/W stair step.
- Set the bright control to the center position.
- Turn R8C4 until the contrast on the screen becomes maximum.

7.9.2 PAL burst cleaning

- Receive the PAL Philips pattern.
- Set the color control to the center position.
- Turn L8A2 until the both ends of line on the screen becomes clear gray.
- * Should not be red or blue.

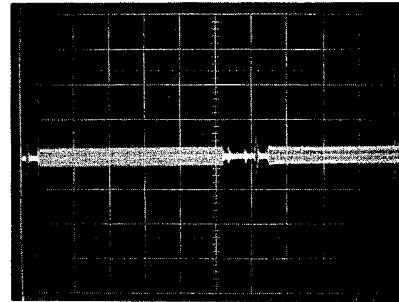
7.9.3 PAL 1 H DL. AMP. (B - Y)

- Receive the red raster.
- Connect the oscilloscope to TP8D3 and set the oscilloscope so that the 1H waveform can be obtained.
- Turn R8G9 until the signal amplitude becomes minimum.



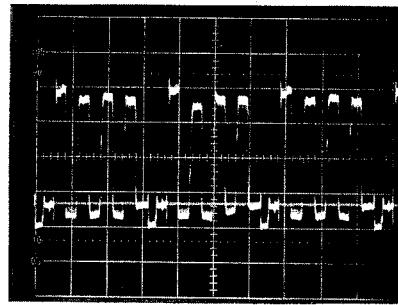
7.9.4 PAL 1H DL. AMP. (R - Y)

- Receive the blue raster.
- Connect the oscilloscope to TP8D4 and set the oscilloscope so that the 1H waveform can be obtained.
- Turn R8G9 until the signal amplitude becomes minimum.
- Repeat the section 7.9.3 and 7.9.4.
- * Adjust so that the waveform amplitude of TP8D3 and TP8D4 becomes minimum and equal.



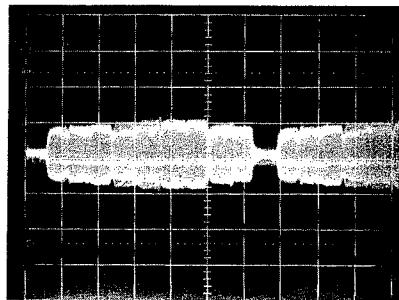
7.9.5 PAL 1H DL phase

- Receive the PAL color bar.
- Connect the oscilloscope to TP8A8.
- Turn L8A6 until two lines become superimposed.



7.9.6 SECAM bell filter

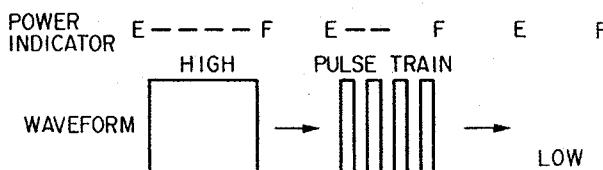
- Receive the SECAM color bar to the VHF-LOW channel (2CH - 4CH).
- Connect the oscilloscope to TP8D1 and set the oscilloscope so that the 1H waveform can be obtained.
- Turn L8C0 until the waveform amplitude becomes aligned.



7.7 System control section

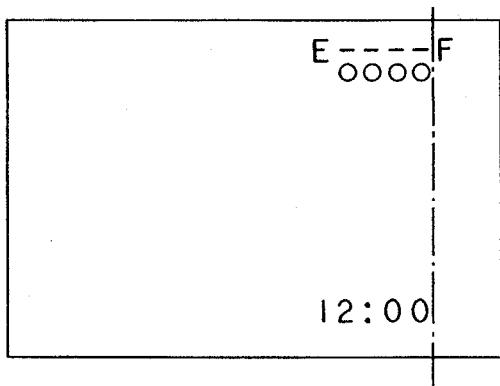
7.7.1 Under cut adjustment

- Supply the DC voltage 9.7 ± 0.05 V to the J102 connector Pin (1) Hot and Pin (2) GND.
- Connect the oscilloscope to TP607 on the system control section of PD01.
- Put the VCR in the REC mode.
- Turn R660 clockwise slowly until the waveform is switching from high to pulse trains and finally to low. As soon as the waveform is low, the set goes to stop and after 10 to 20 seconds the set switches off.



7.7.2 DE-OSD position adjustment

- Display the clock on the LCD monitor.
- Display the battery remaining indicator and counter number on the LCD monitor.
- Adjust the OSC control (R653) on the system control section of PD01 so that the banerry and counter position is shown below.



7.8 TV section (RF/IF section)

Initialization of CH MEMO is referred to SERVICE MODE (page 1-4)

7.8.1 TV 5V

- Connect the DC voltmeter to TP1A4 in RF/IF/CHROMA power supply section of PL01.
- Turn R1A2 on RF/IF/CHROMA power supply section of PL01 until the voltage of TP1A4 becomes $5V \pm 0.05V$.

7.8.2 PAL. DET.

- Set the system switch to the PAL mode.
- Feed the non-modulation signal of 33.9 MHz, 100 dB μ V to TP701 on RF/IF section of PL01.
- Connect the oscilloscope or DC voltmeter to TP705 on RF/IF section of PL01.
- Feed the external power supply to TP704 on RF/IF section of PL01.
- Change the voltage range within DC 0 ~ 2V until the DC voltage of TP705 becomes 1.8V.
- Turn L712 on RF/IF section of PL01 until the DC voltage of TP705 becomes minimum.

7.8.3 SECAM L' DET.

- Set the system switch to the SECAM mode.
- Set the VHF-LOW channels (2 ~ 4ch) to the receiving status.
- Connect the non-modulation signal of 33.4 MHz, 100 dB μ V to TP701.
- Connect the oscilloscope or DC voltmeter to TP705.
- Feed the external power supply to TP704.
- Change the voltage range within DC 0 ~ 2V until the DC voltage of TP705 becomes 1.8V.
- Turn C759 on RF/IF section of PL01 until the DC voltage of TP705 becomes minimum.

7.8.4 PAL AFT

- Set the system switch to the PAL mode.
- Feed the non-modulation signal of 38.9 MHz, 80 dB μ V to TP701.
- Connect the oscilloscope or DC voltmeter to TP708 on RF/IF section of PL01.
- Turn L711 on RF/IF section of PL01 until the core is set to the deepest point.
- Adjust the DC voltage of TP708 to 2.5V by pulling out the core.

7.8.5 RF AGC

- Receive the PAL test pattern to the UHF channel (27ch) and set the input level to 69 dB μ V.
- Connect the oscilloscope or DC voltmeter to TP702.
- Turn R735 on RF/IF section of PL01 until the DC voltage of TP702 becomes 2.5V.

7.8.6 SECAM IF AGC

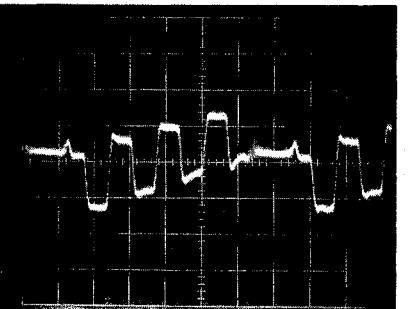
- Receive the SECAM color bar with 100% white.
- Connect the oscilloscope to TP706 so the 1 line waveform can be obtained.
- Adjust the signal on TP706 to 1.2Vp-p with R776 in the RF/IF section of the PL01.

7.9.7 SECAM ID filter

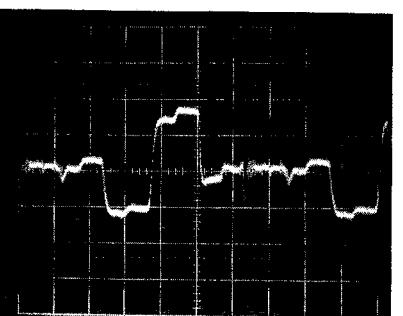
- Receive the SECAM color bar to the VHF-LOW channel (2CH - 4CH).
- Connect the oscilloscope or DC voltmeter to TP8D2.
- Turn L8A9 until the DC voltage of TP8D2 becomes maximum (approx. 2.2V).

7.9.8 SECAM B-Y DET

- Receive the SECAM color bar to the VHF-LOW channel (2CH - 4CH).
- Connect the oscilloscope to TP8A1 and set the oscilloscope so that the 1H waveform can be obtained.
- Turn L8A8 until the DC level of black and blanking becomes equal.

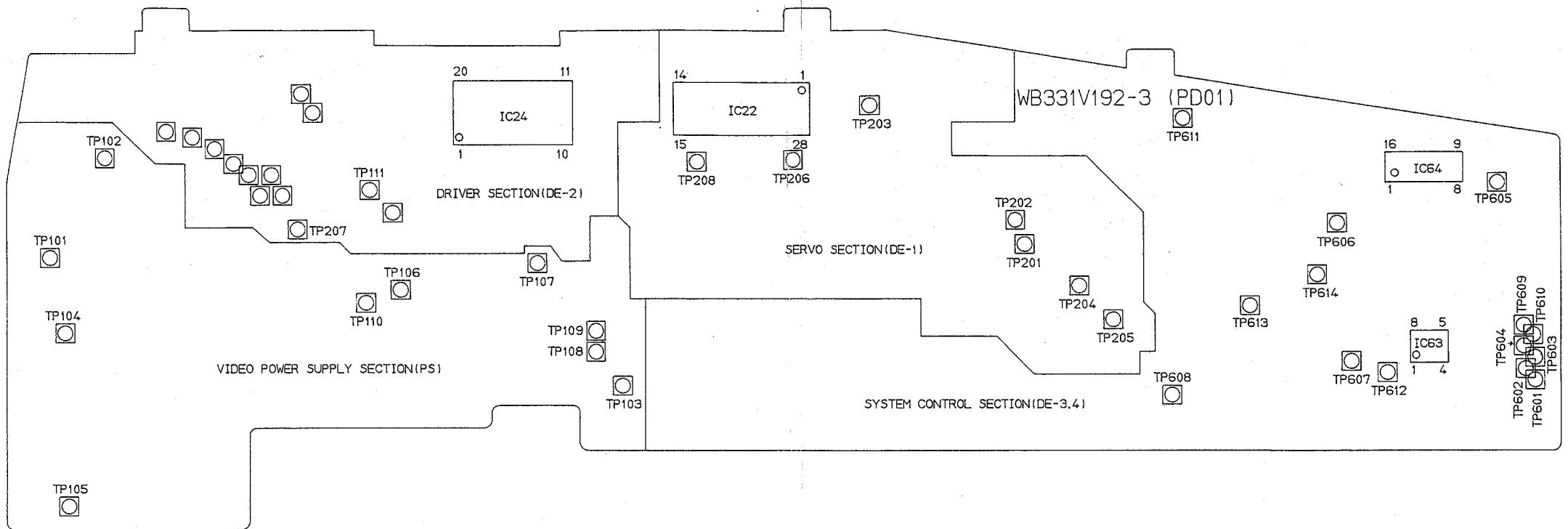
**7.9.9 SECAM R-Y DET.**

- Receive the SECAM color bar to the VHF-LOW channel (2CH - 4CH).
- Connect the oscilloscope to TP8A2 and set the oscilloscope so that the 1H waveform can be obtained.
- Turn L8A7 until the DC level of black and blanking becomes equal.

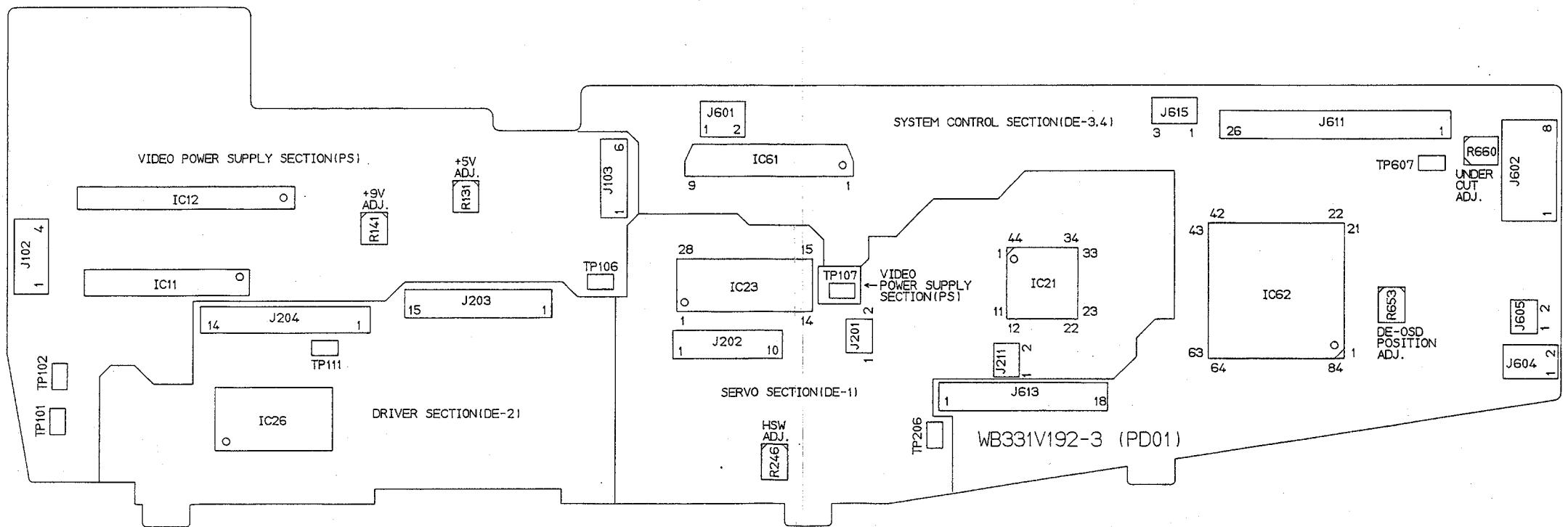


8. LOCATION OF TEST POINTS AND ADJUSTMENT POINTS

PD01 (Viewed From Dip Side)

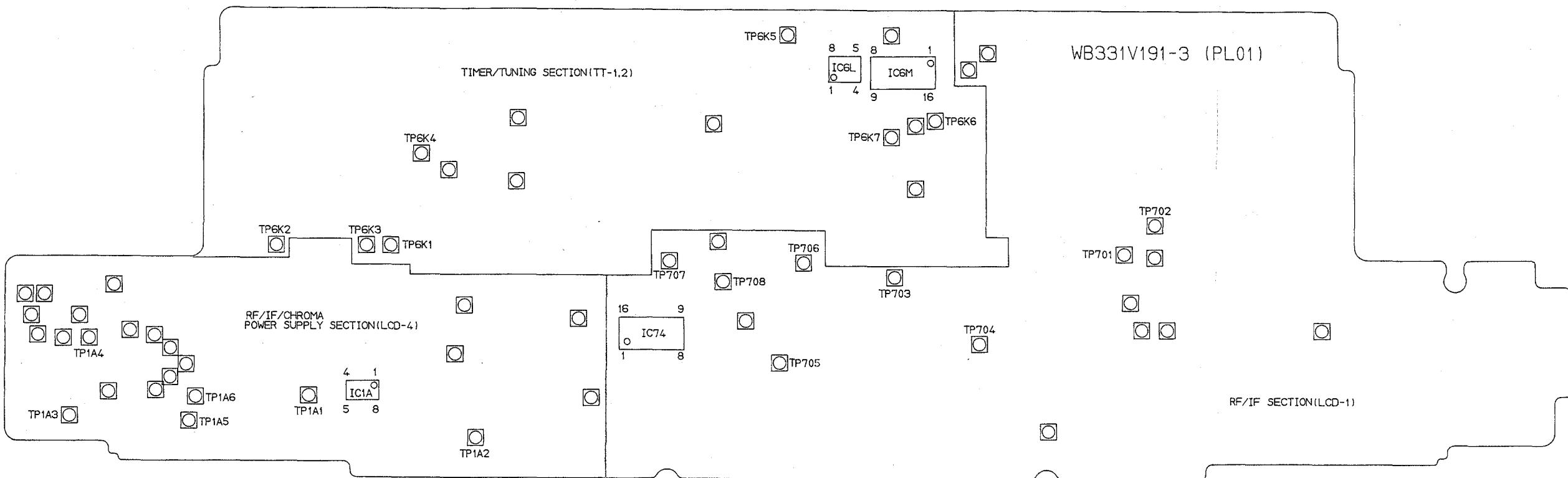


PD01 (Viewed From Reflow Side)

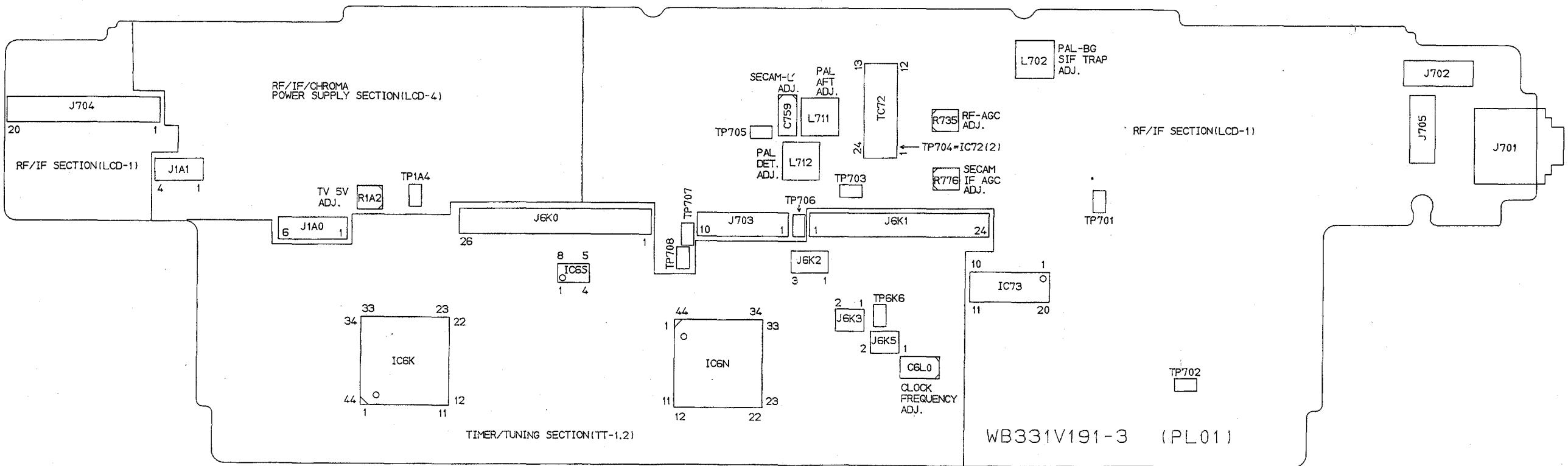


5. HEAD AMP BLOCK DIAGRAM

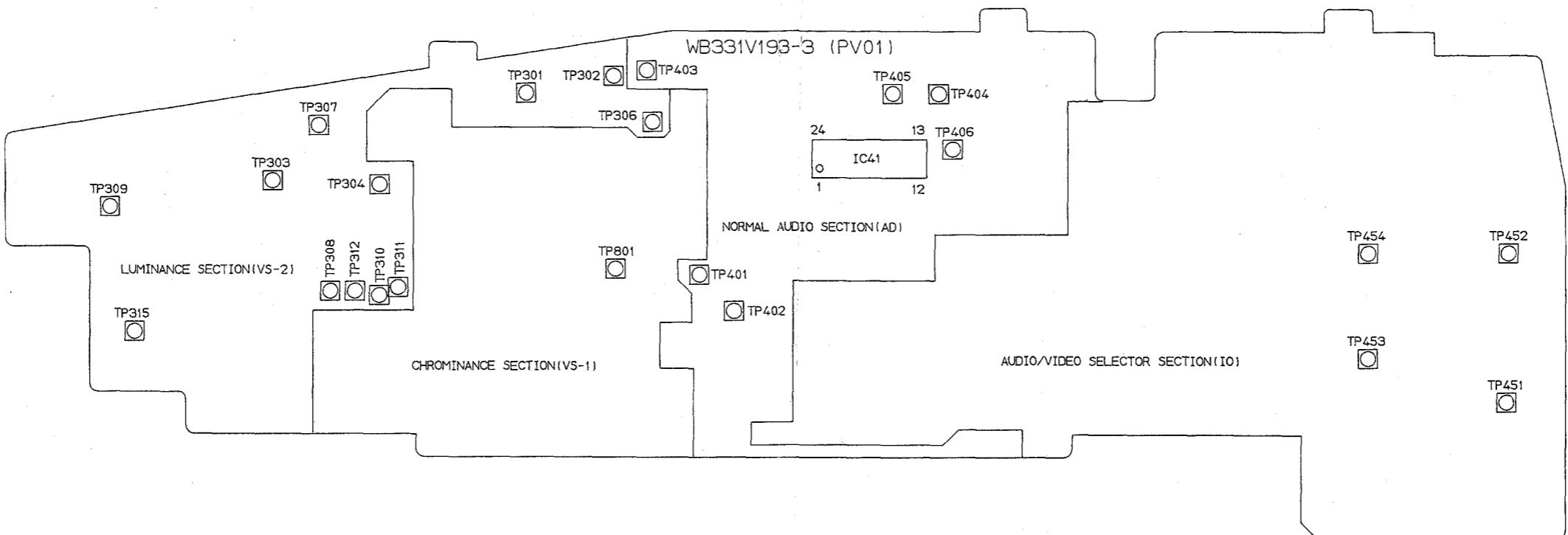
PL01 (Viewed From Dip Side)



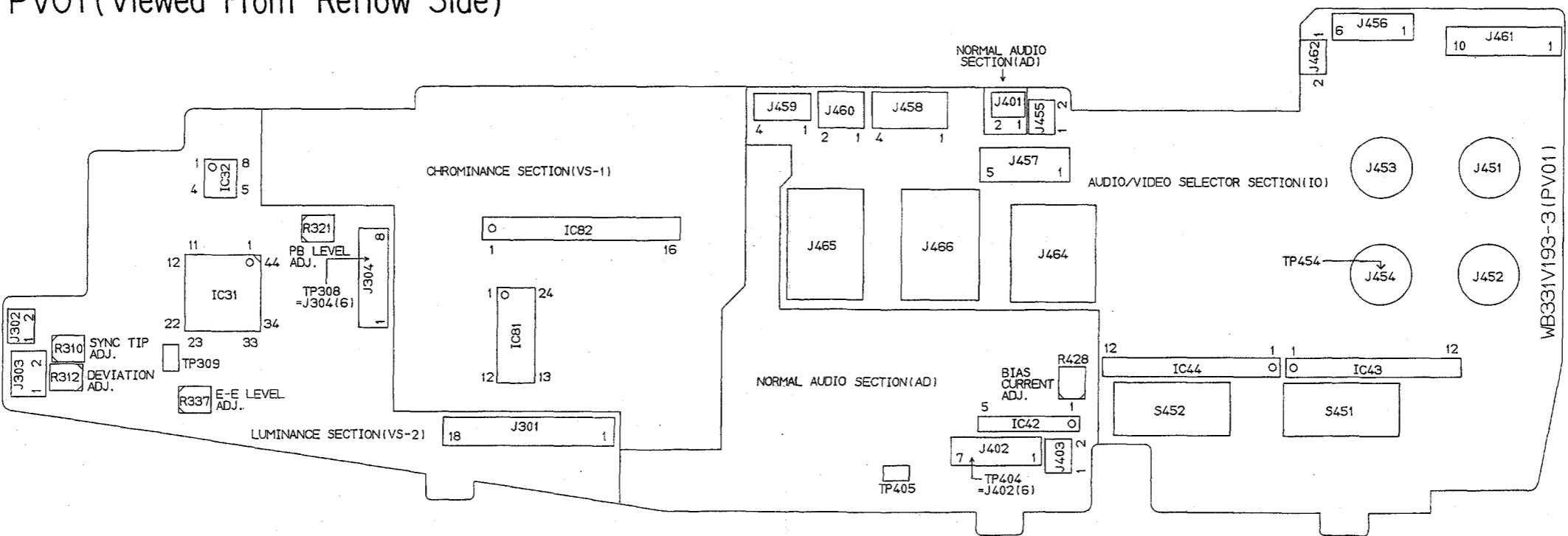
PL01 (Viewed From Reflow Side)



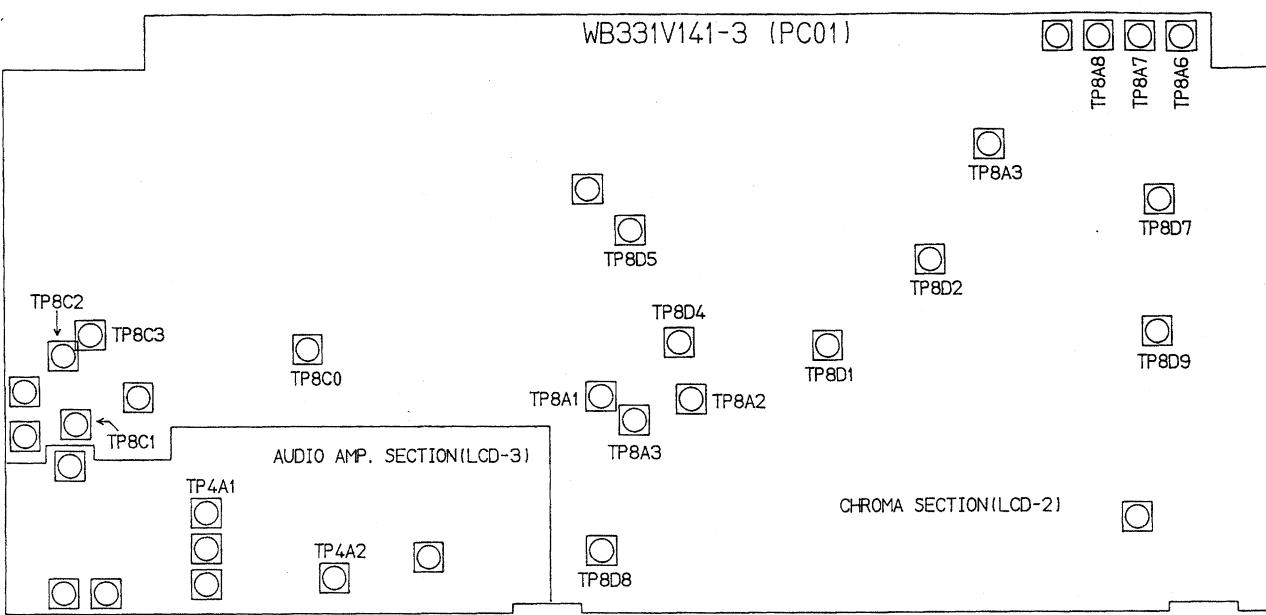
PV01(Viewed From Dip Side)



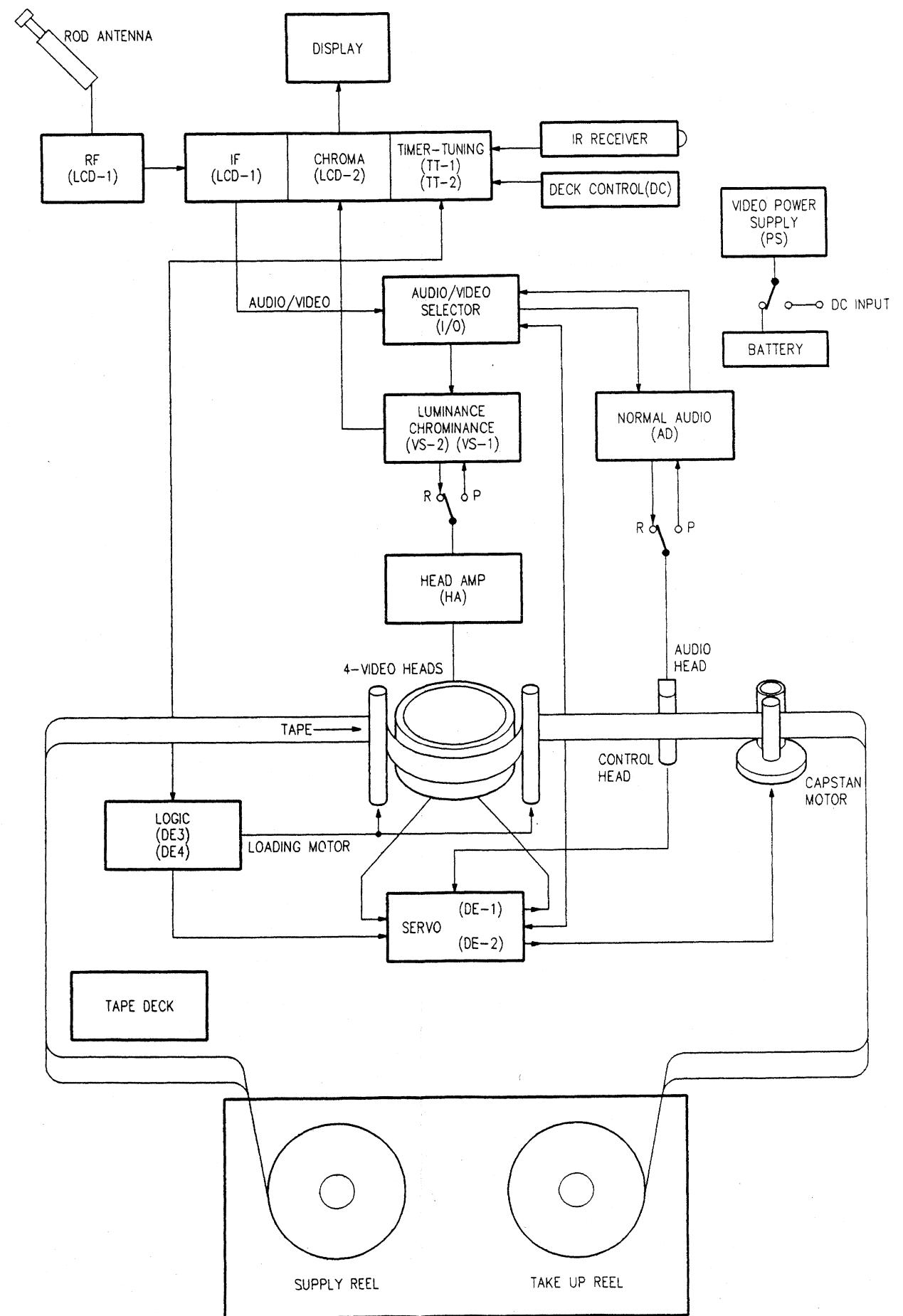
PVOI (Viewed From Reflow Side)



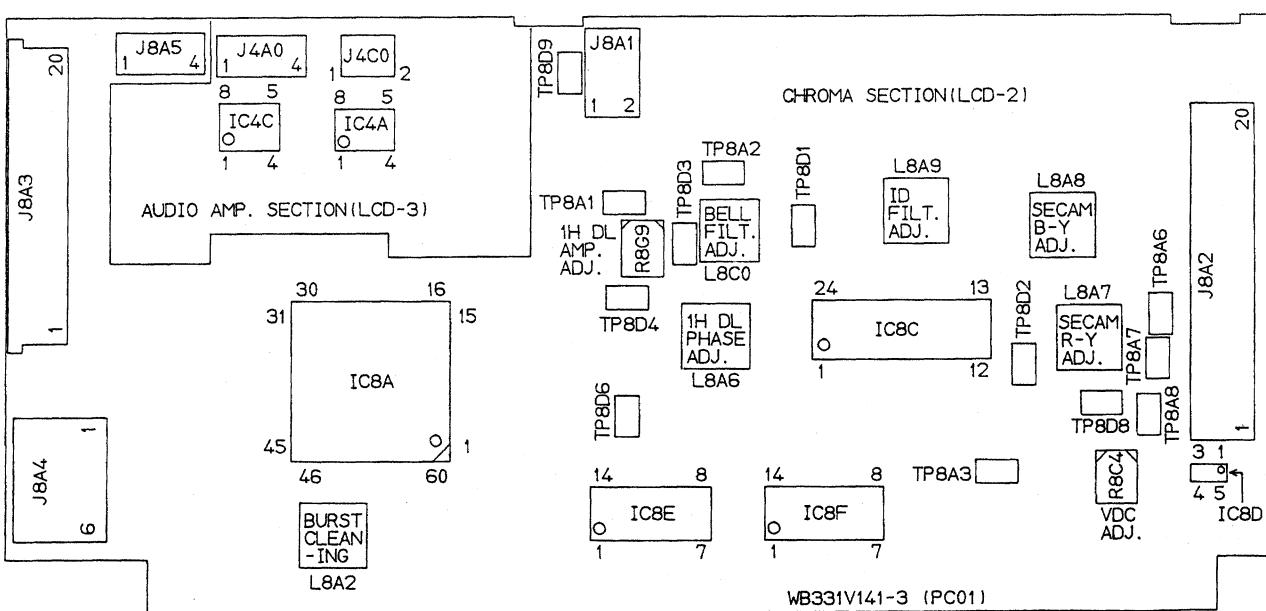
PC01(Viewed From Dip Side)



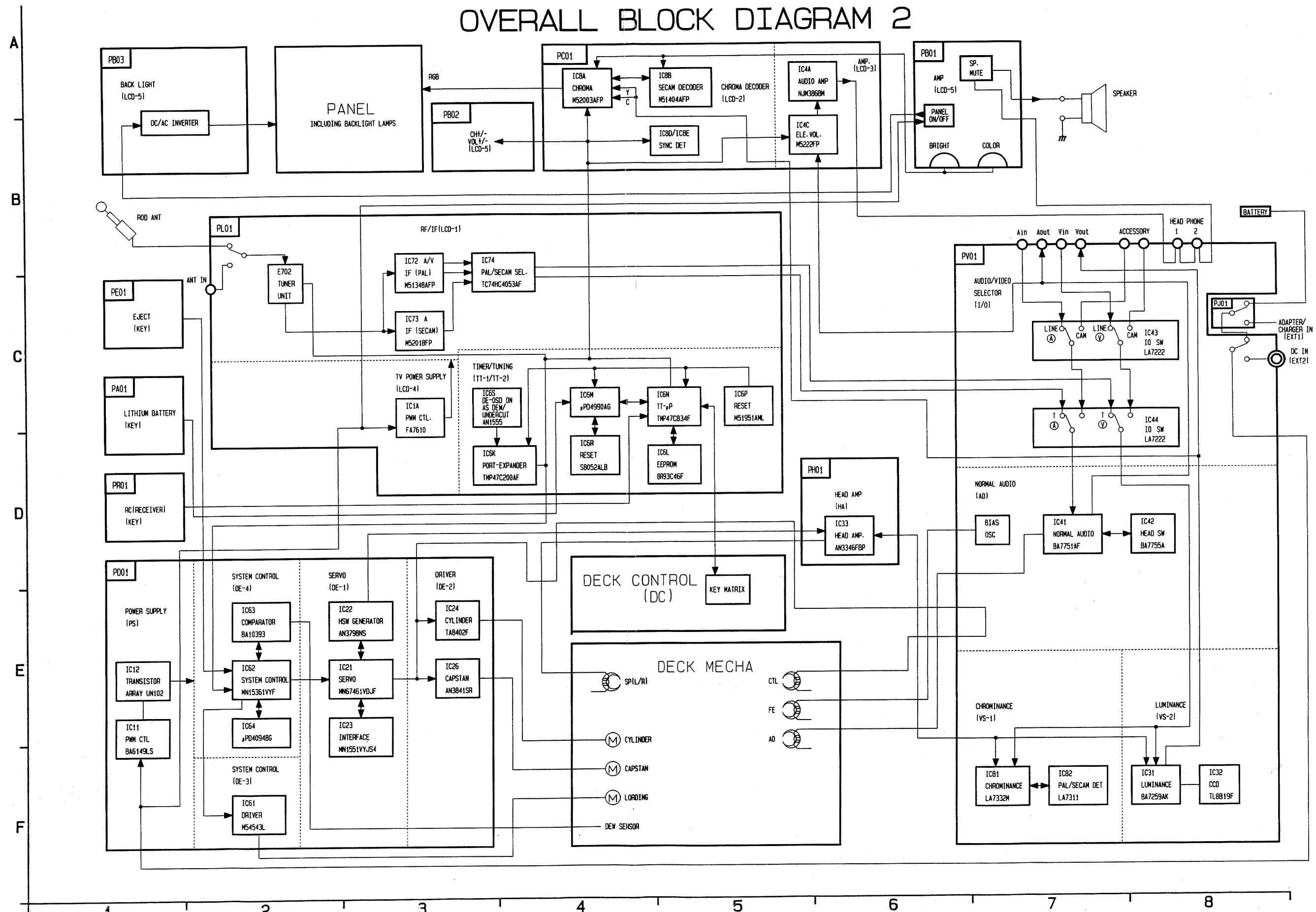
OVERALL BLOCK DIAGRAM 1



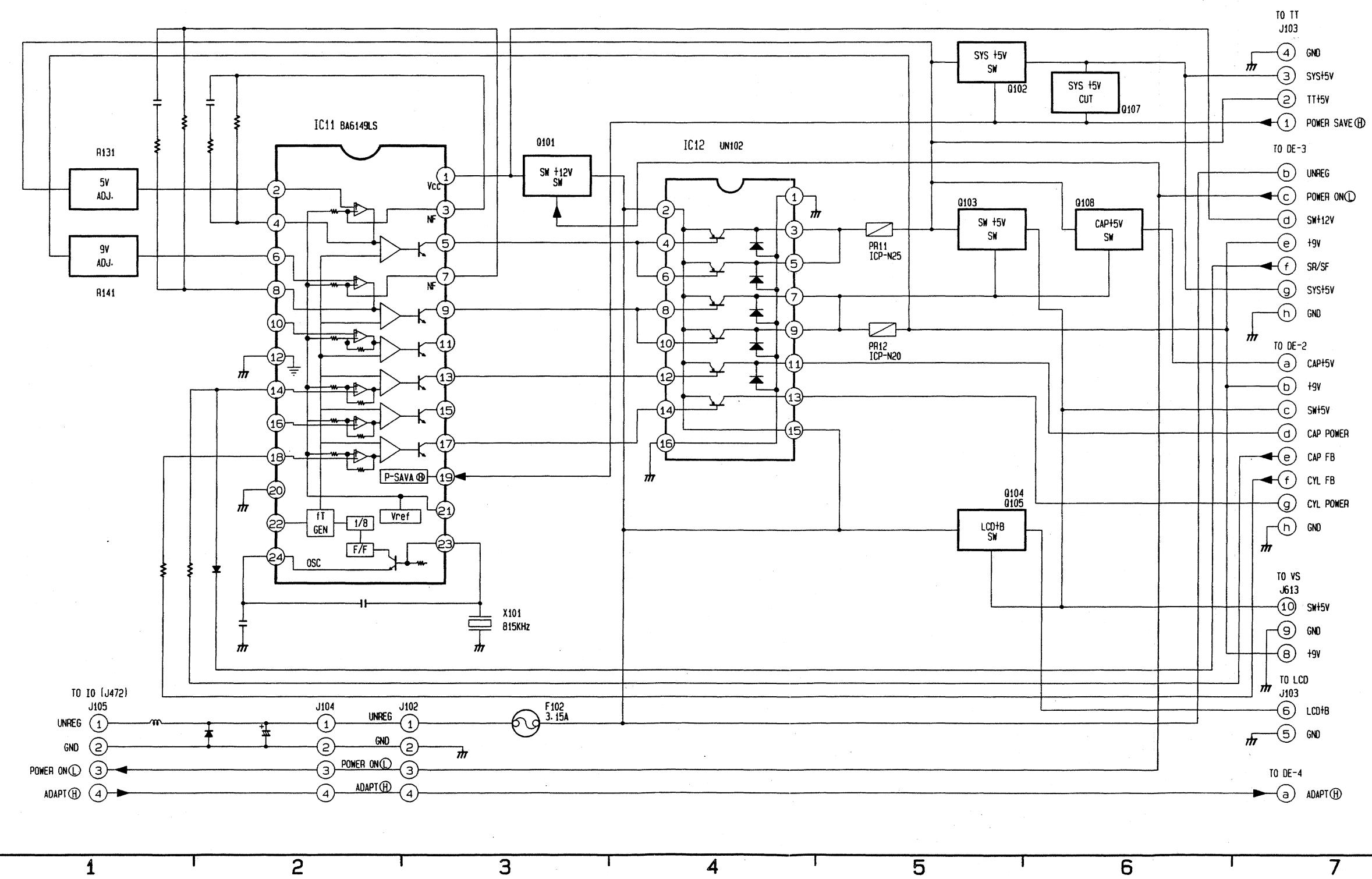
PC01 (Viewed From Reflow Side)



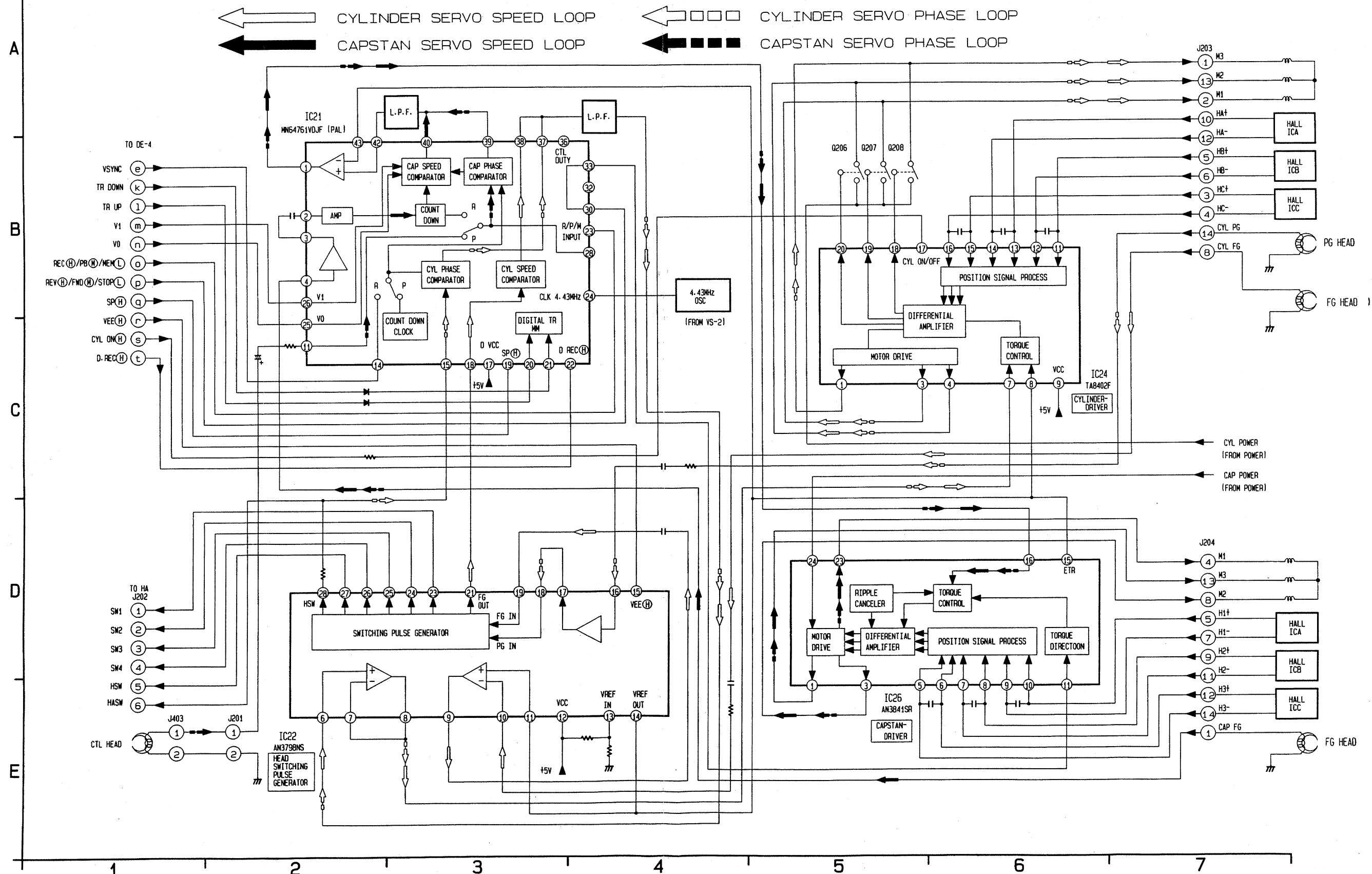
OVERALL BLOCK DIAGRAM 2



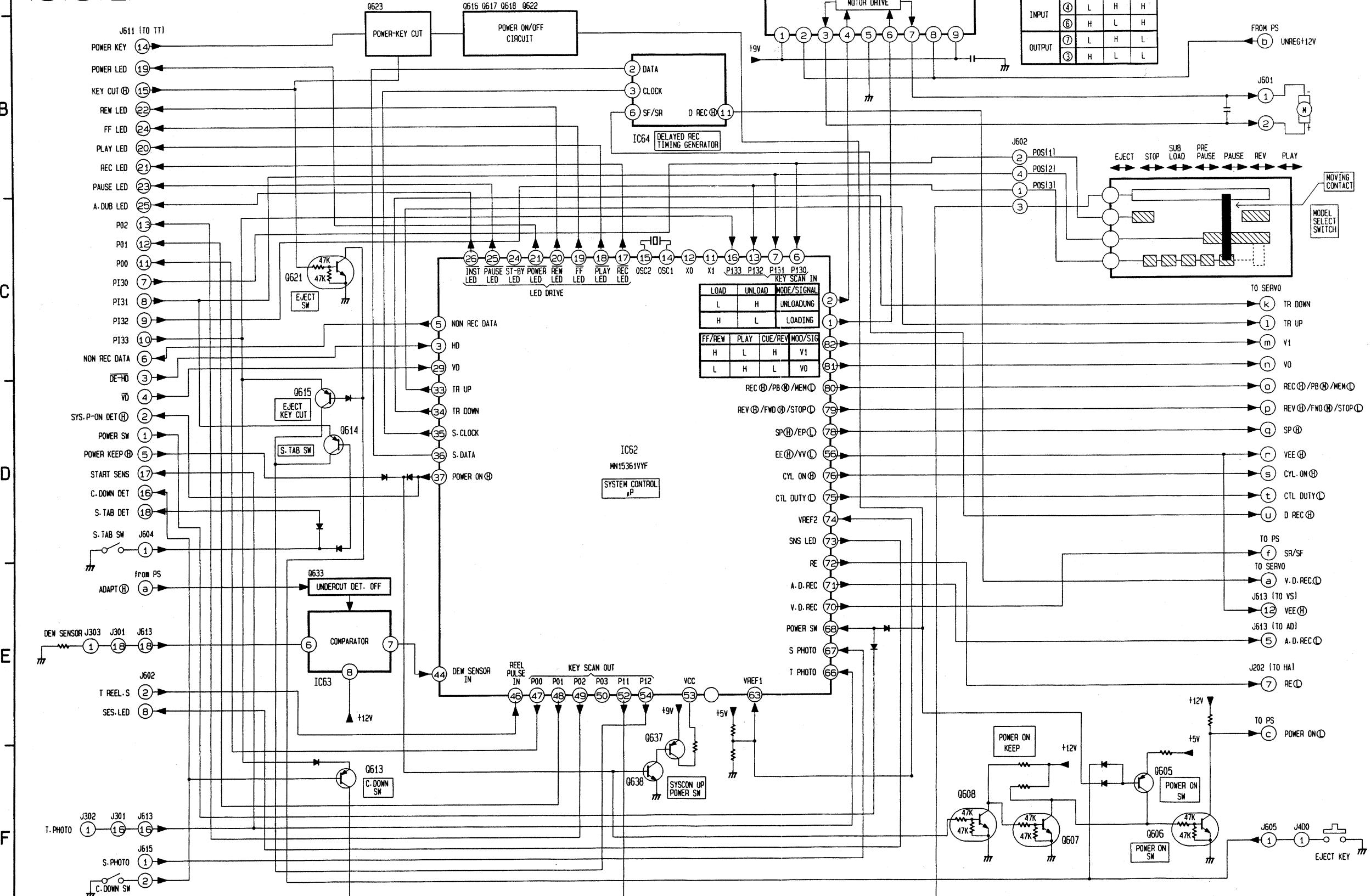
MODEL : PVR570 (PAL)
BLOCK DIAGRAM (PS)
(VIDEO POWER SUPPLY BLOCK)



MODEL : PVR570 (PAL)
BLOCK DIAGRAM (DE)
(SERVO BLOCK)

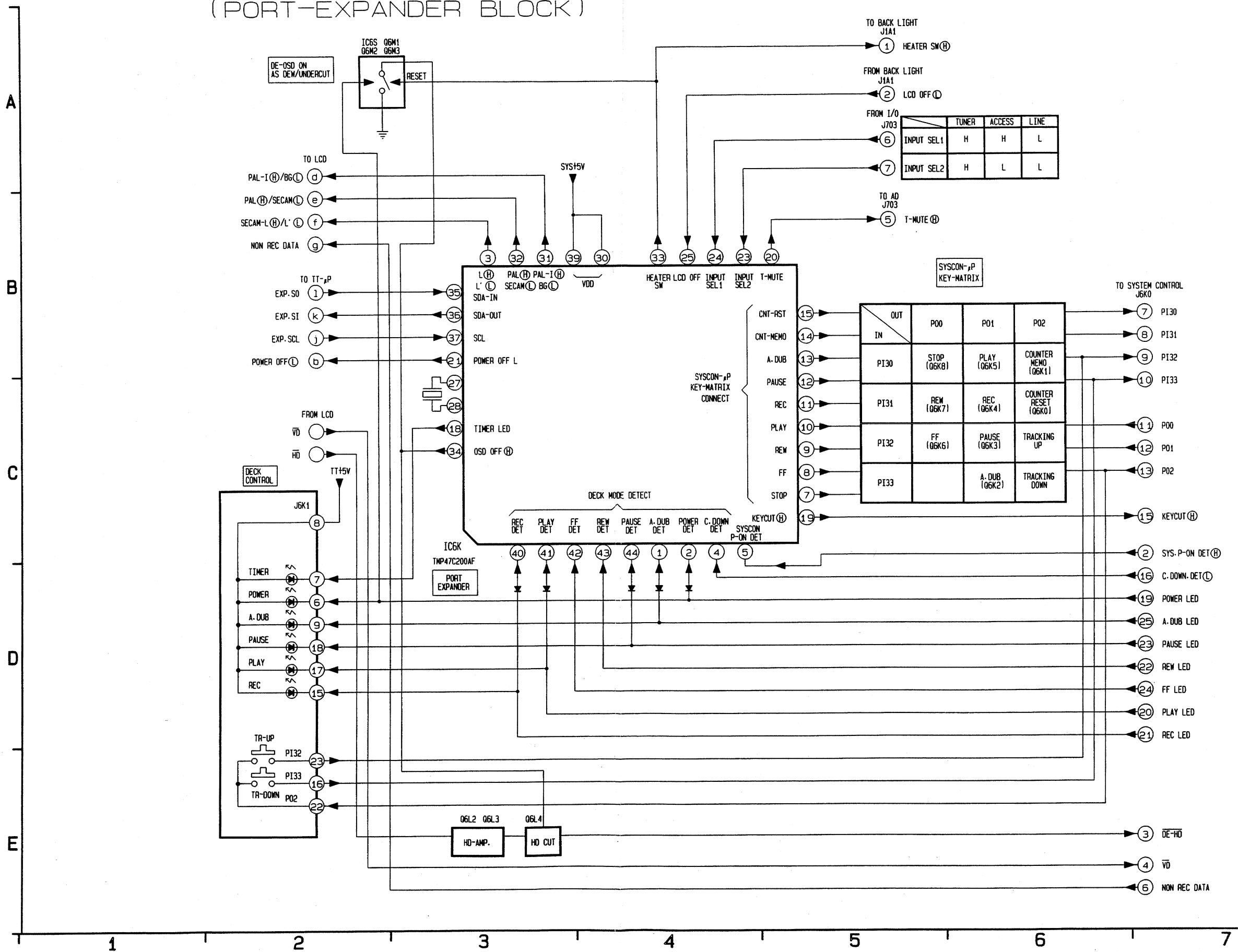


A MODEL : PVR570 (PAL)
BLOCK DIAGRAM (DE)
(SYSTEM CONTROL BLOCK)

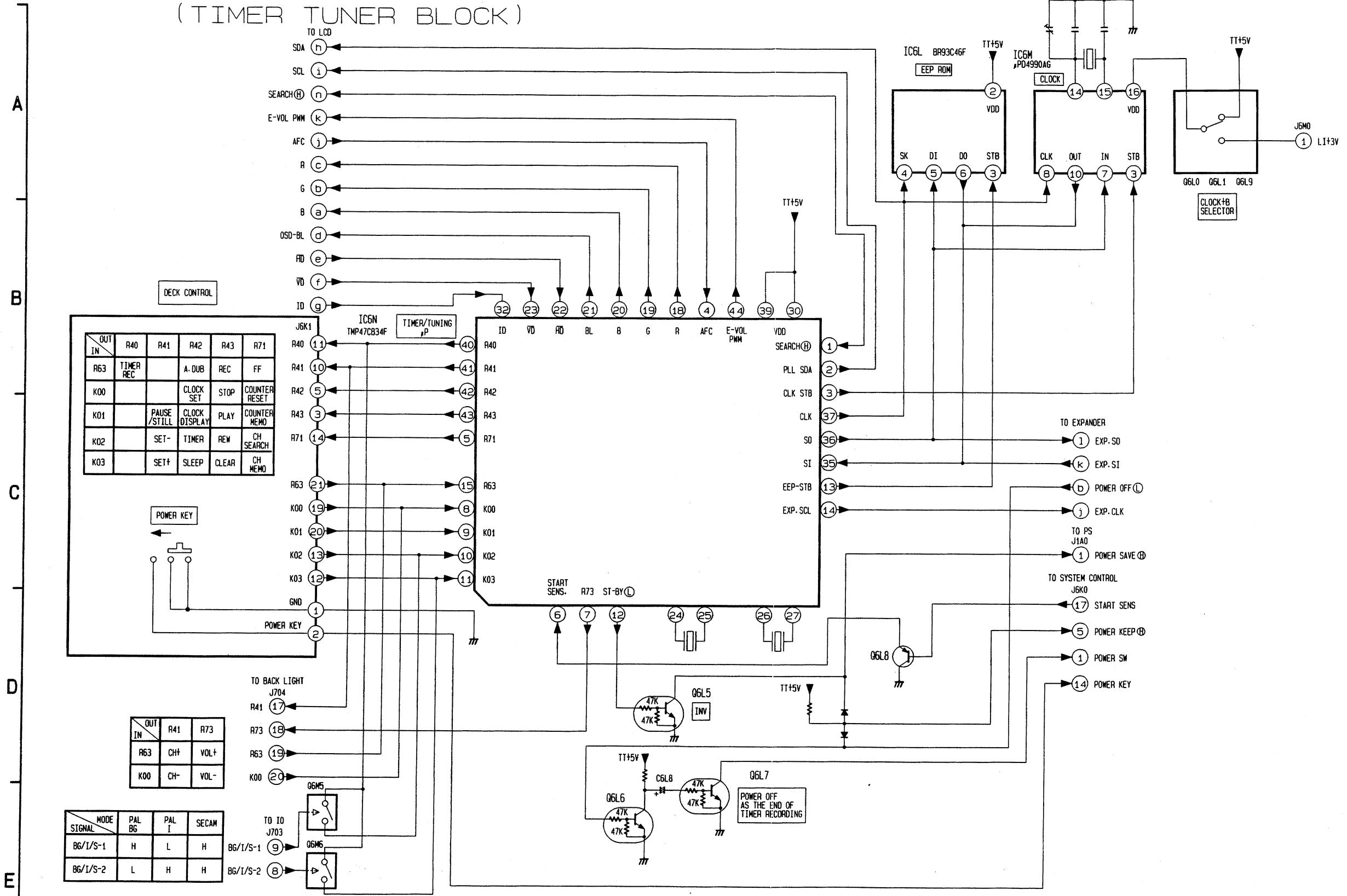


1 2 3 4 5 6 7 8

MODEL : PVR570 (PAL)
BLOCK DIAGRAM (TT)
(PORT-EXPANDER BLOCK)



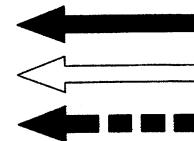
MODEL : PVR570 (PAL)
BLOCK DIAGRAM (TT)
(TIMER TUNER BLOCK)



1 2 3 4 5 6 7

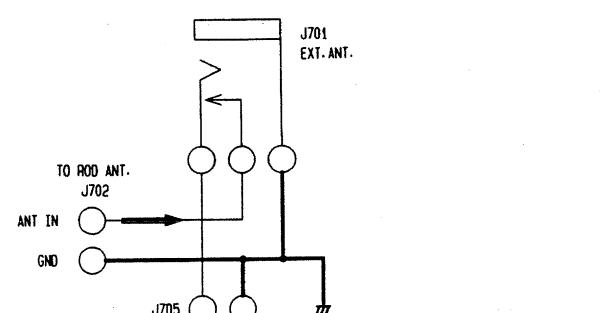
A

MODEL : PVR570 (PAL)
BLOCK DIAGRAM (LCD-1)
(RF/IF BLOCK)

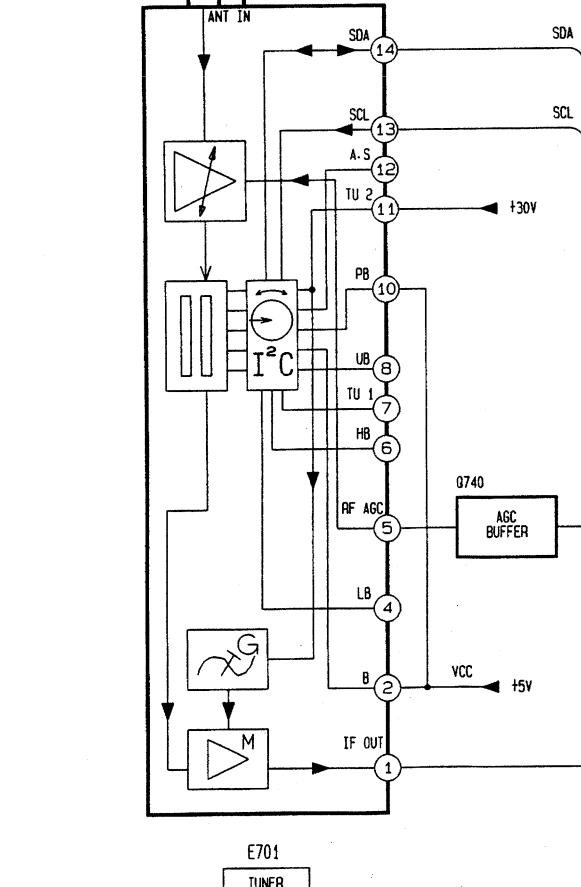


TV SIGNAL PATH
AUDIO SIGNAL PATH
VIDEO SIGNAL PATH

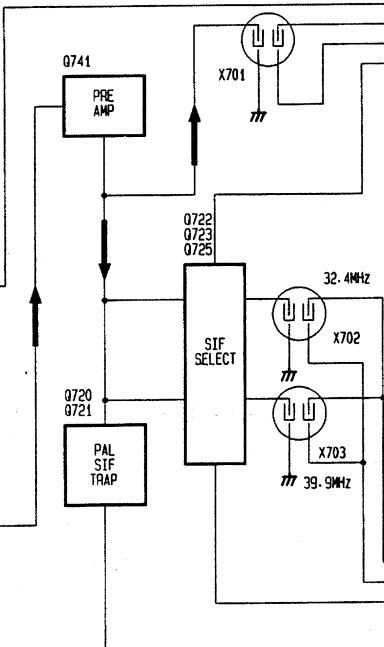
B



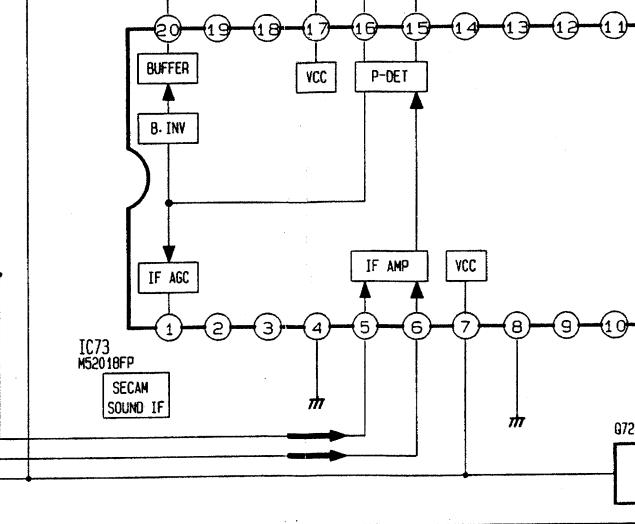
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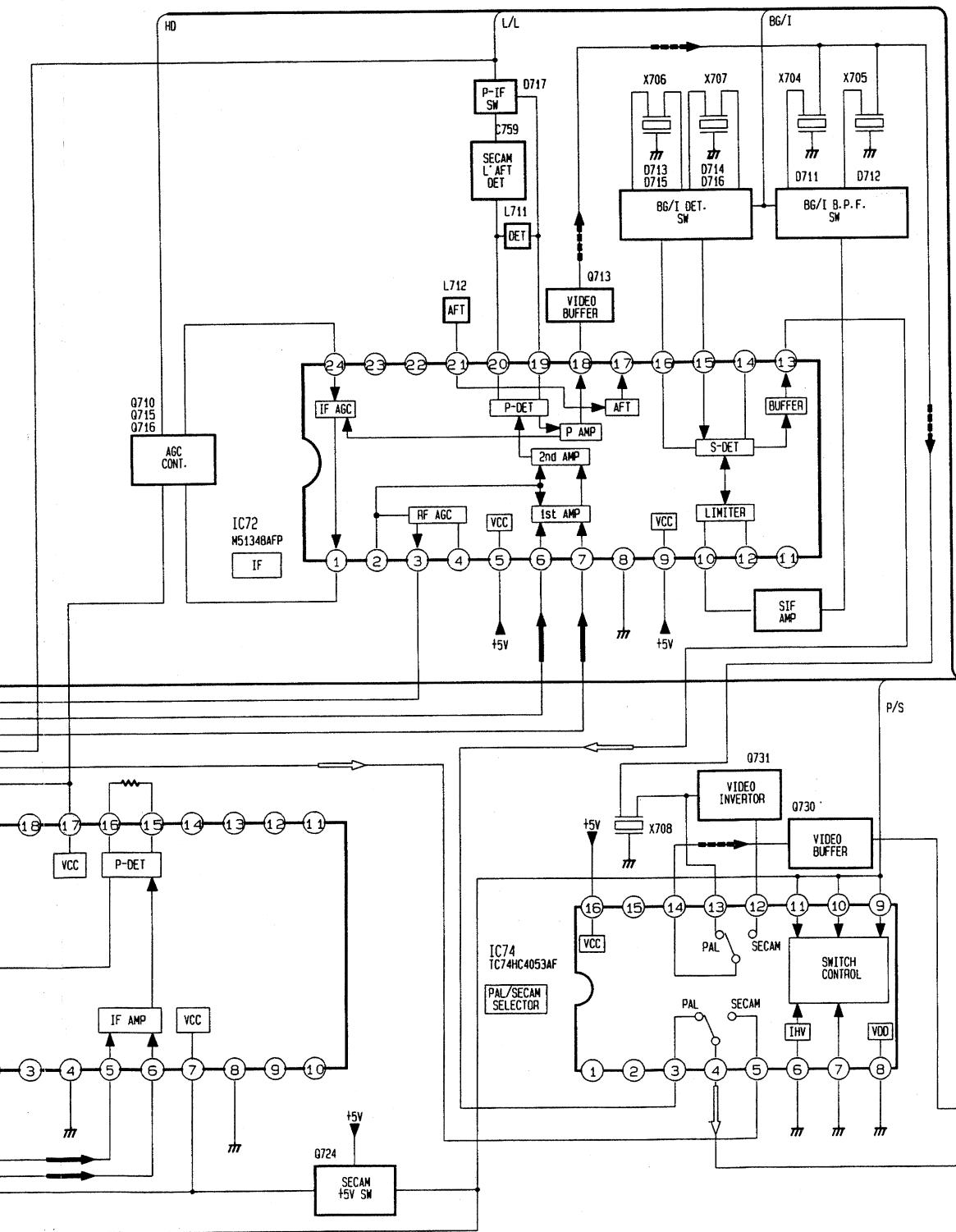
D



E



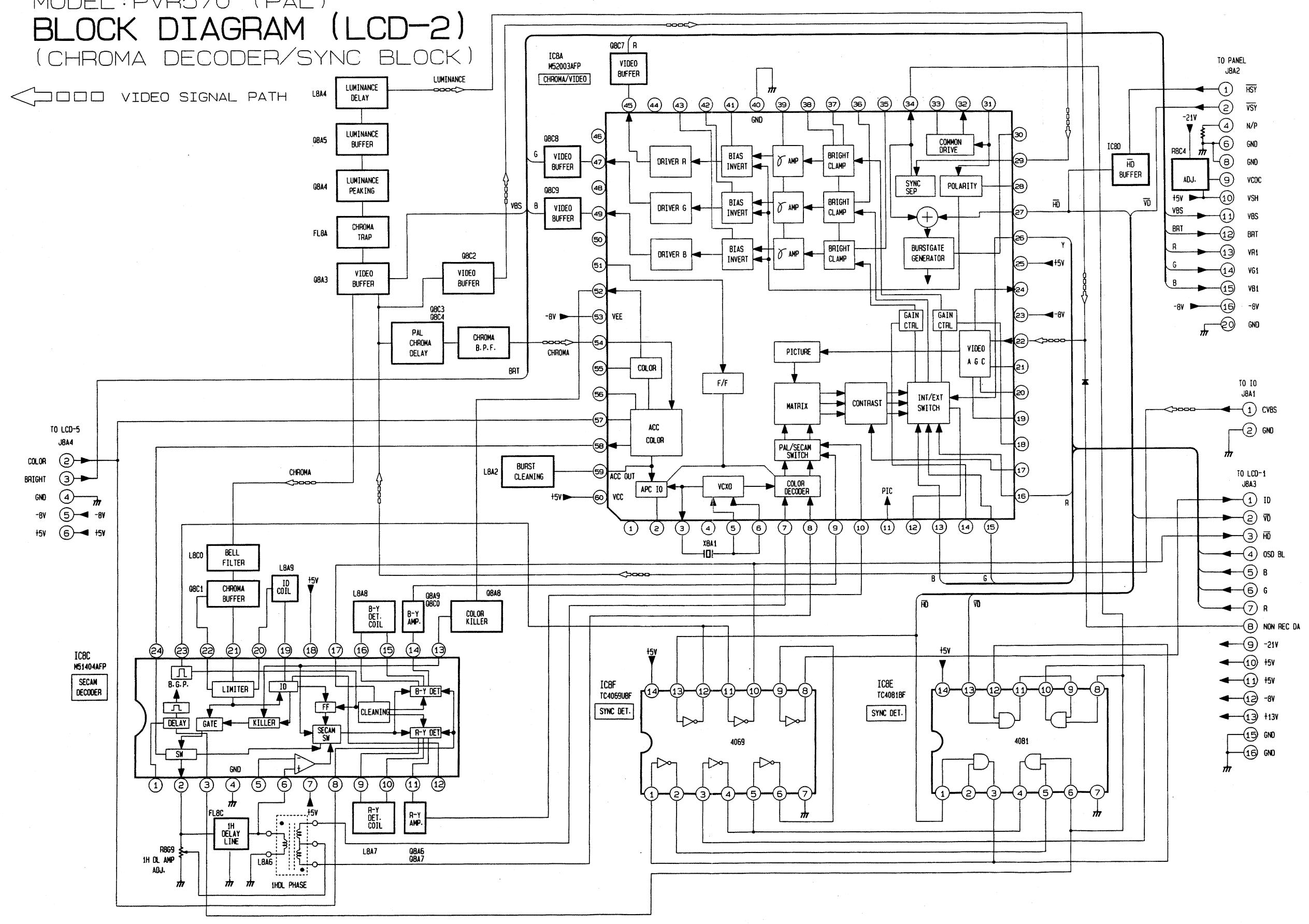
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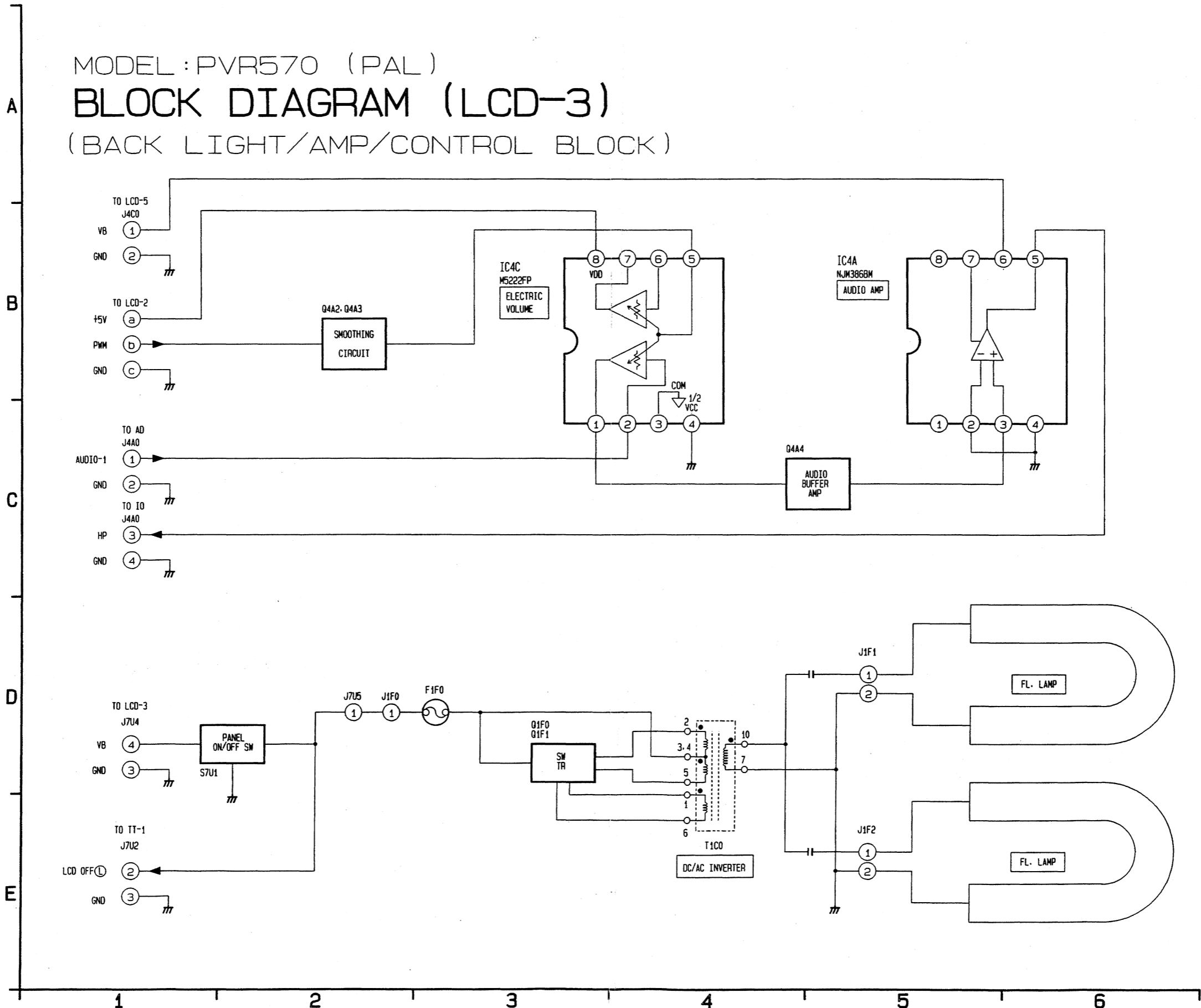


- BG/I SW
- L/L SW
- HD
- SCL
- SDA
- P/S SW
- GND

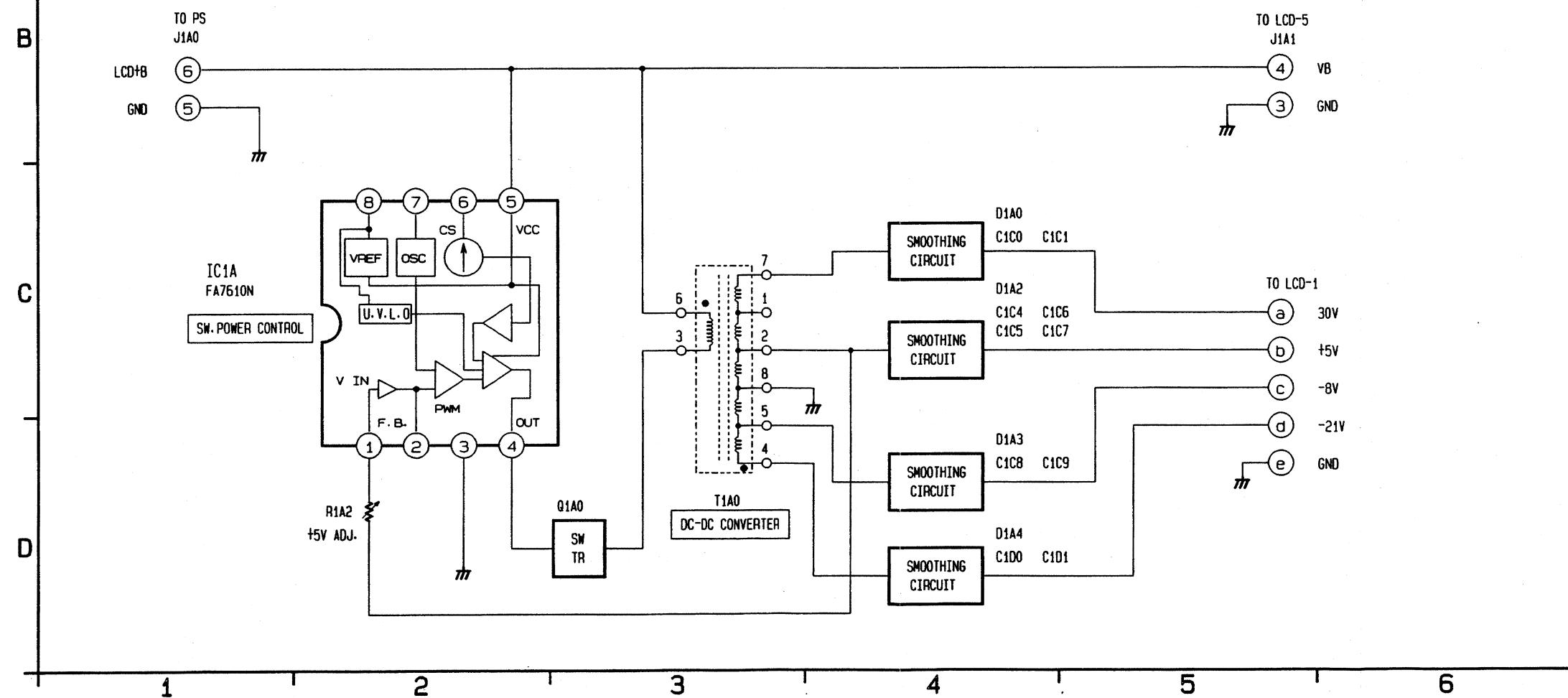
- TO IO (J456)
- J702
- 1 T-VIDEO
- 2 GND
- 3 T-AUDIO
- 4 GND

A MODEL : PVR570 (PAL)
BLOCK DIAGRAM (LCD-2)
(CHROMA DECODER/SYNC BLOCK)

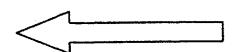




MODEL : PVR570 (PAL)
BLOCK DIAGRAM (LCD-4)
(RF/IF/CHROMA POWER SUPPLY BLOCK)



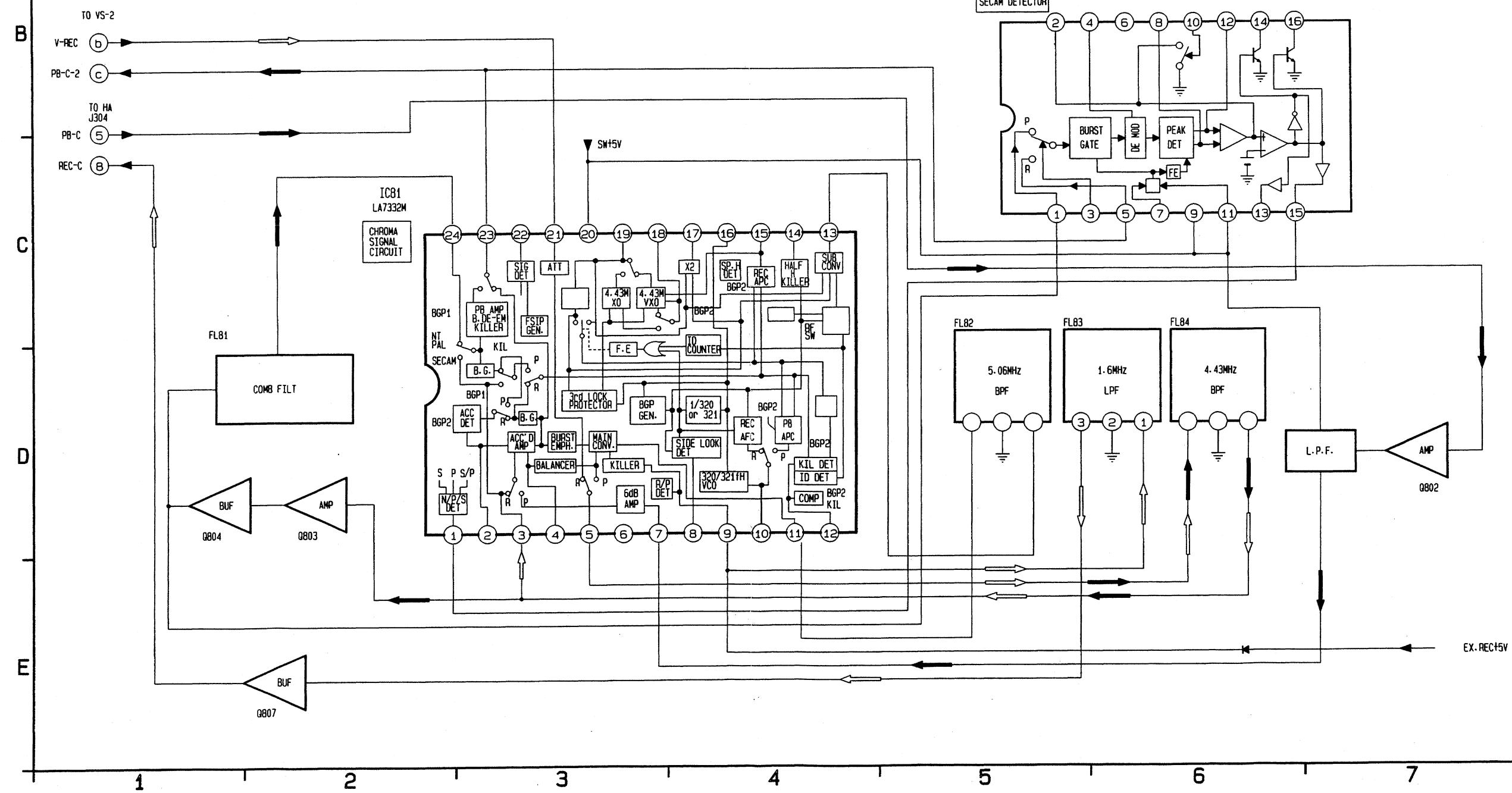
MODEL : PVR570 (PAL)
BLOCK DIAGRAM (VS)
(CHROMINANCE BLOCK)



MAIN SIGNAL PATH IN REC MODE

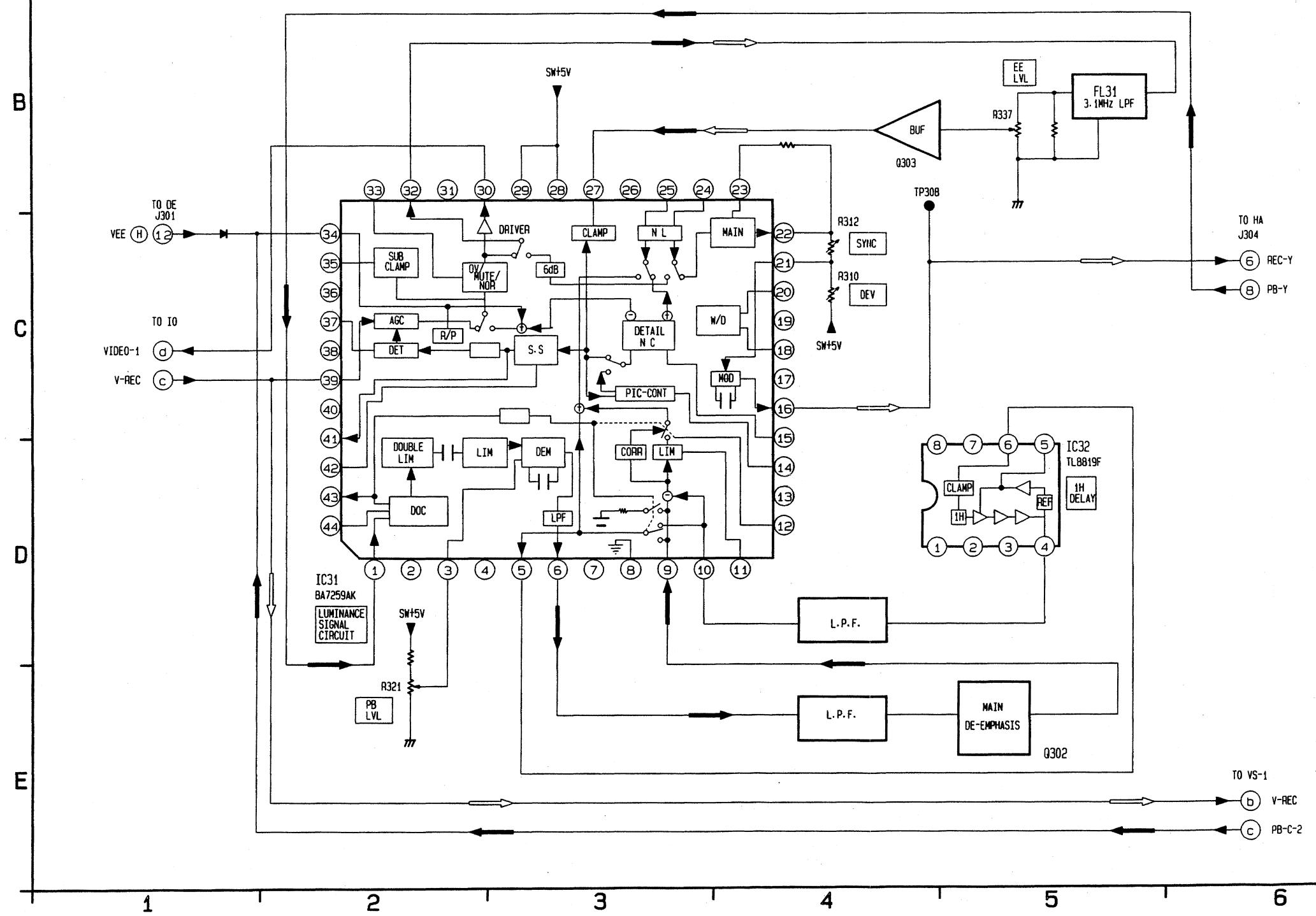


MAIN SIGNAL PATH IN PB MODE



MODEL : PVR570 (PAL)
BLOCK DIAGRAM (VS)
(LUMINANCE BLOCK)

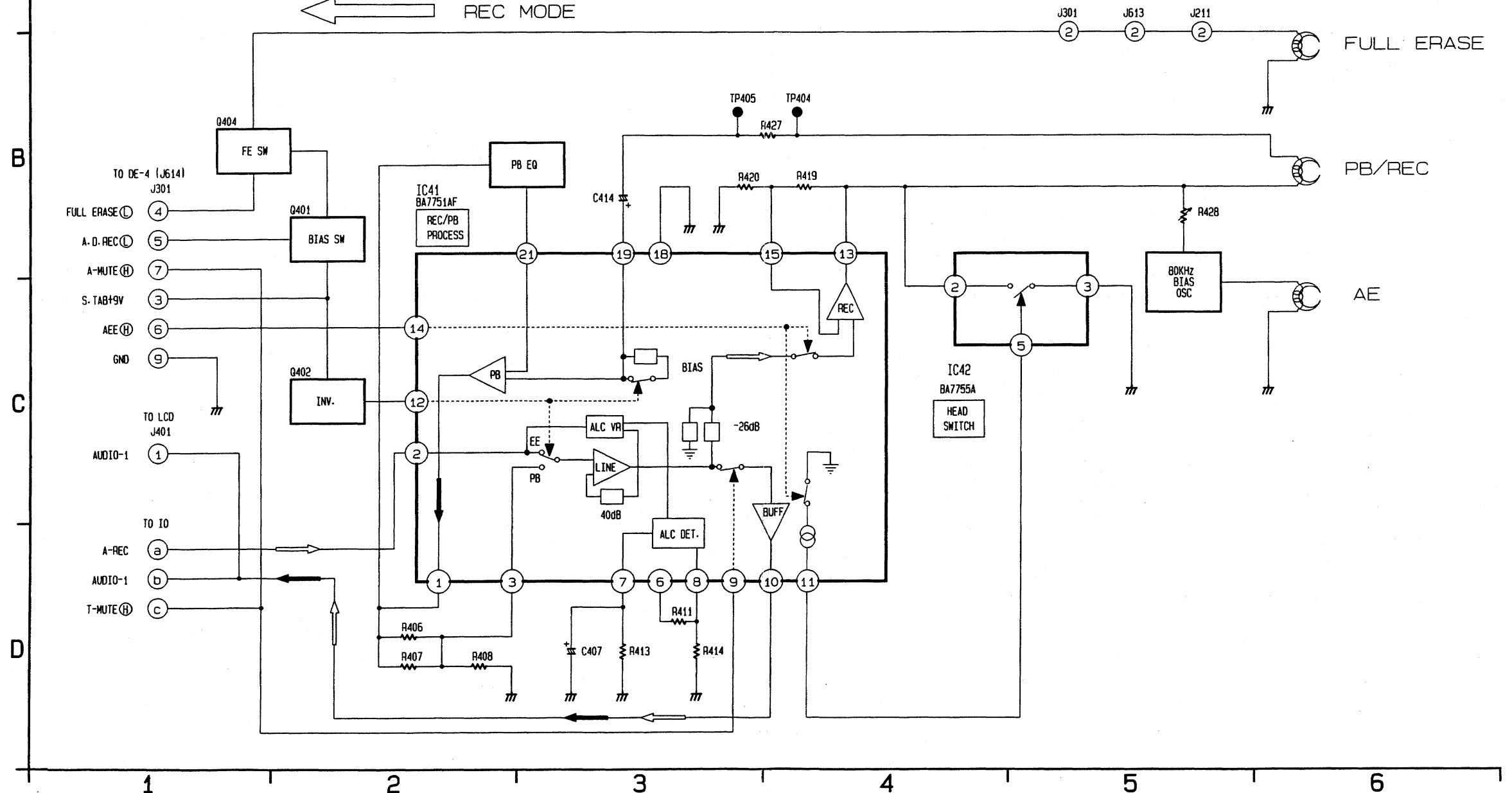
MAIN SIGNAL PATH IN REC MODE
MAIN SIGNAL PATH IN PB MODE



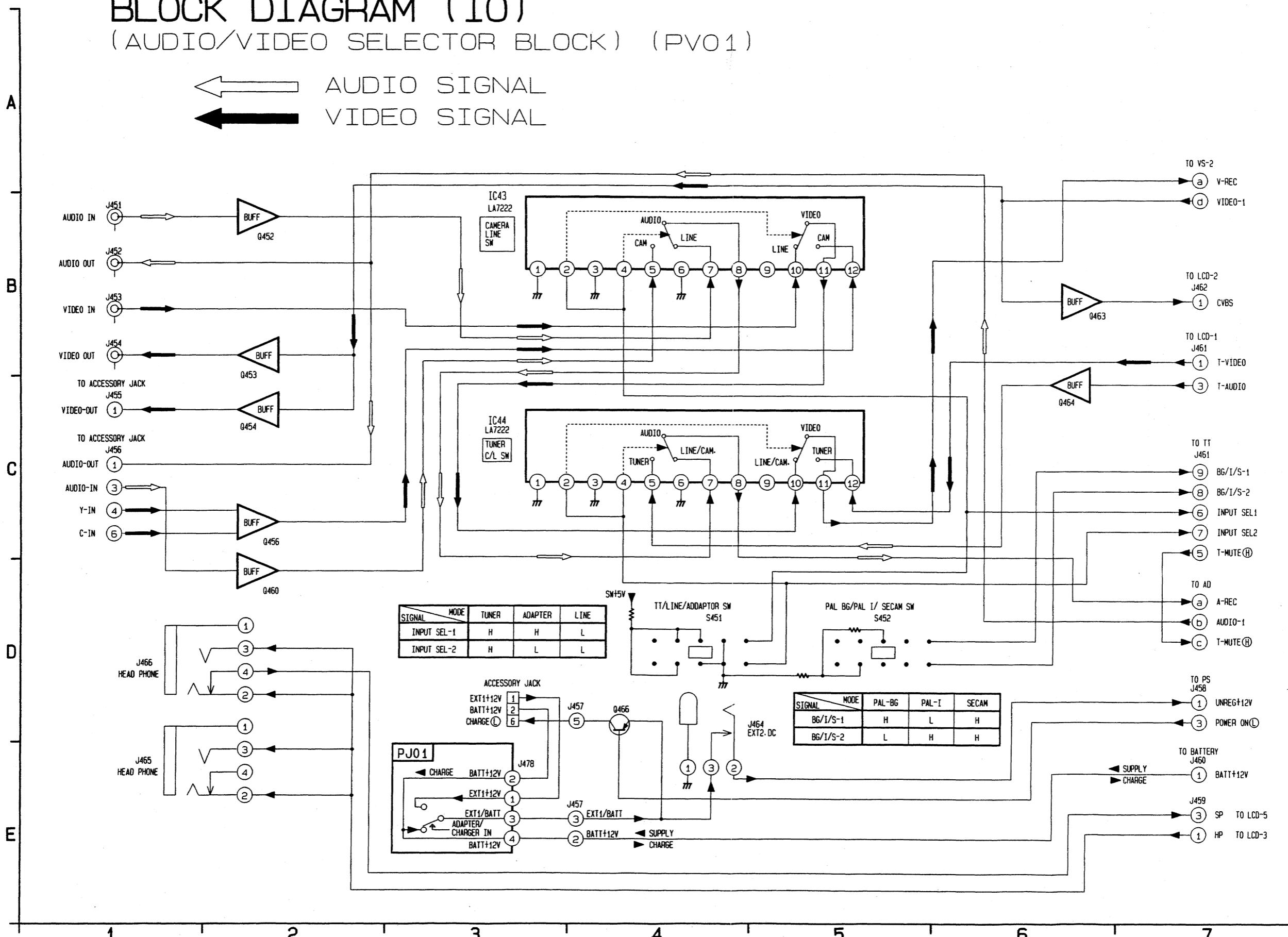
A
MODEL : PVR570 (PAL)
BLOCK DIAGRAM (AD)
(NORMAL AUDIO BLOCK)

← PB MODE

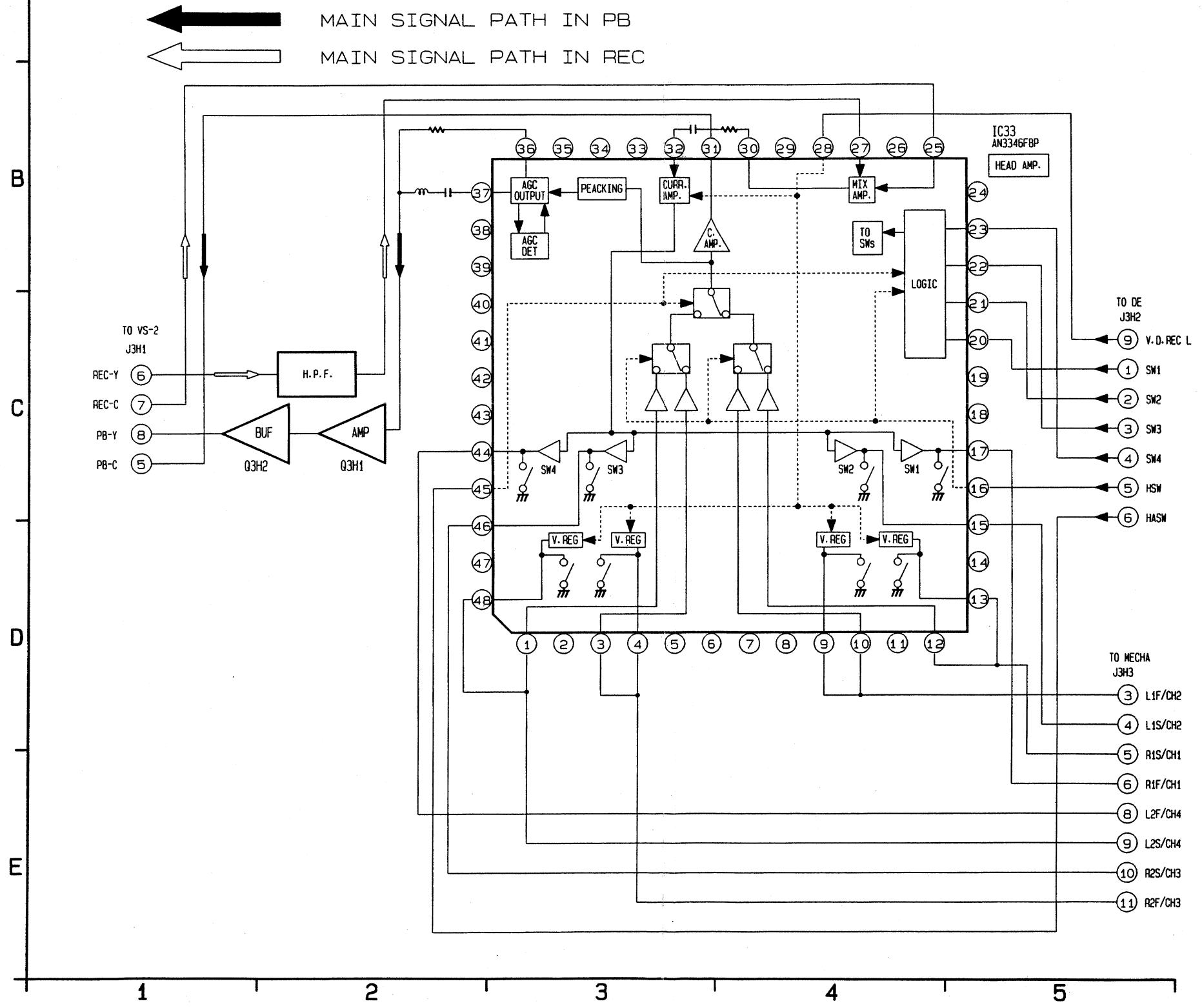
← REC MODE



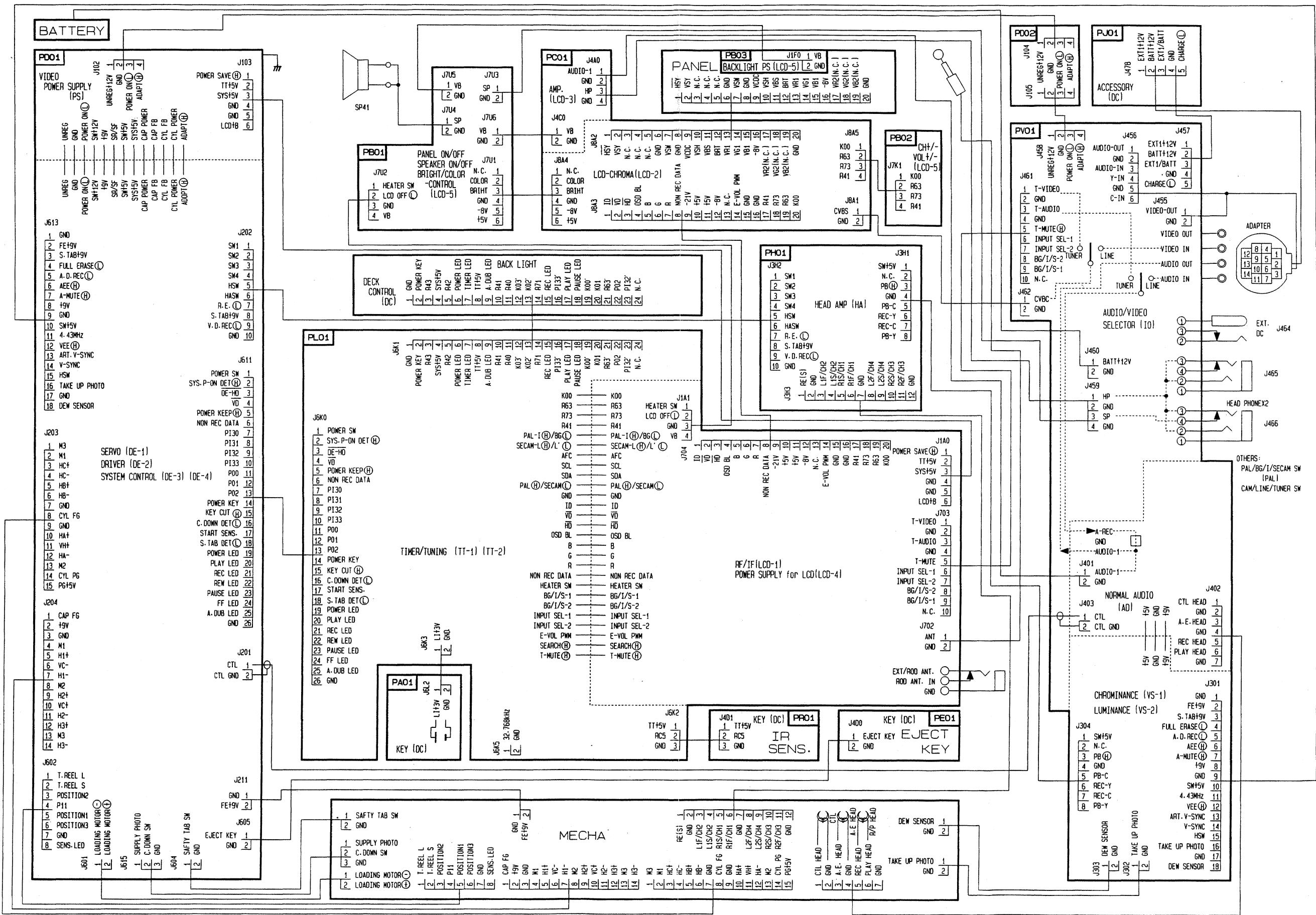
MODEL : PVR570 (PAL)
BLOCK DIAGRAM (IO)
 (AUDIO/VIDEO SELECTOR BLOCK) (PVO1)



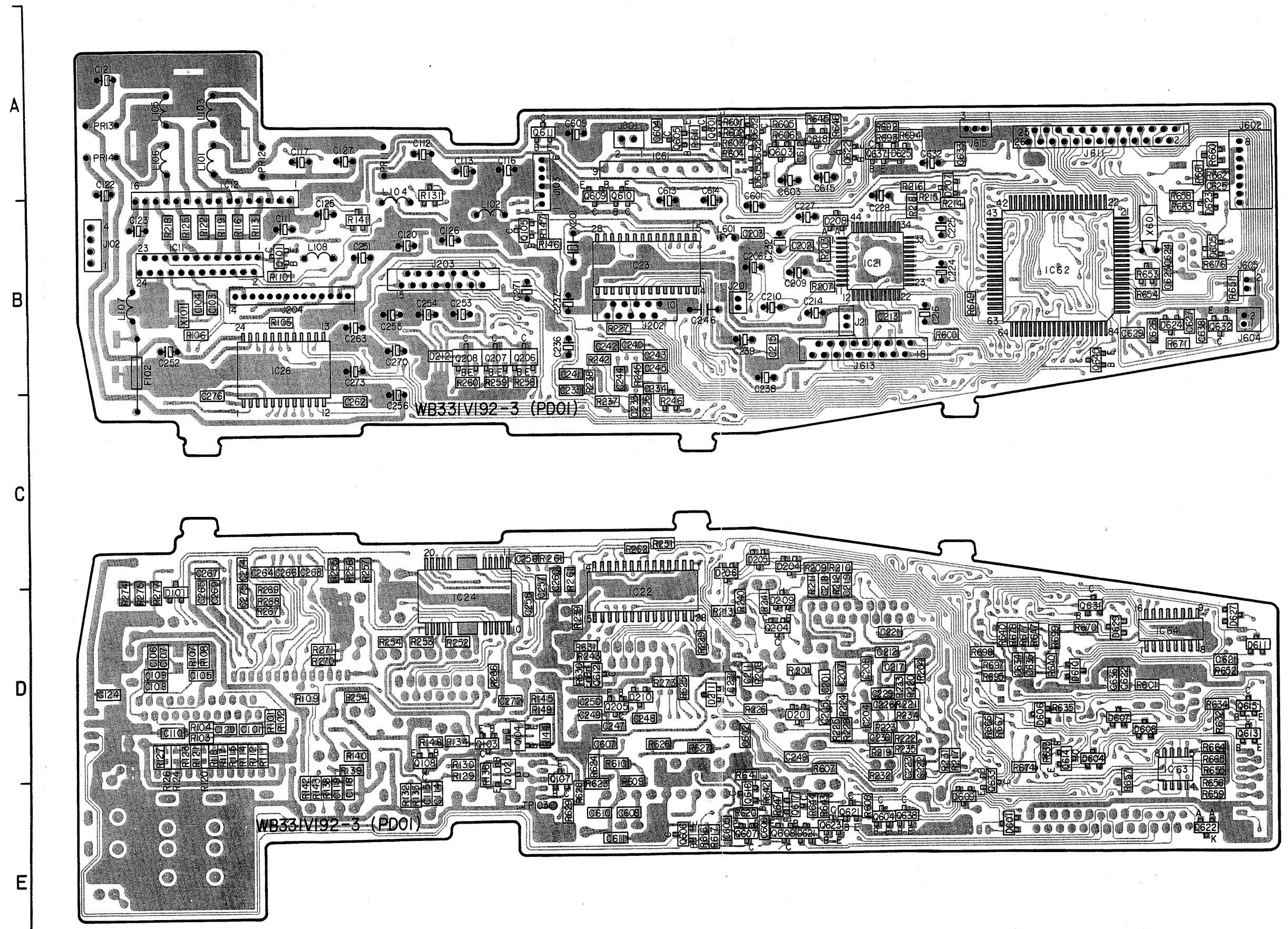
MODEL : PVR570 (PAL)
BLOCK DIAGRAM (HA)
 (HEAD AMP BLOCK)



MODEL : PVR570 (PAL) WIRING DIAGRAM

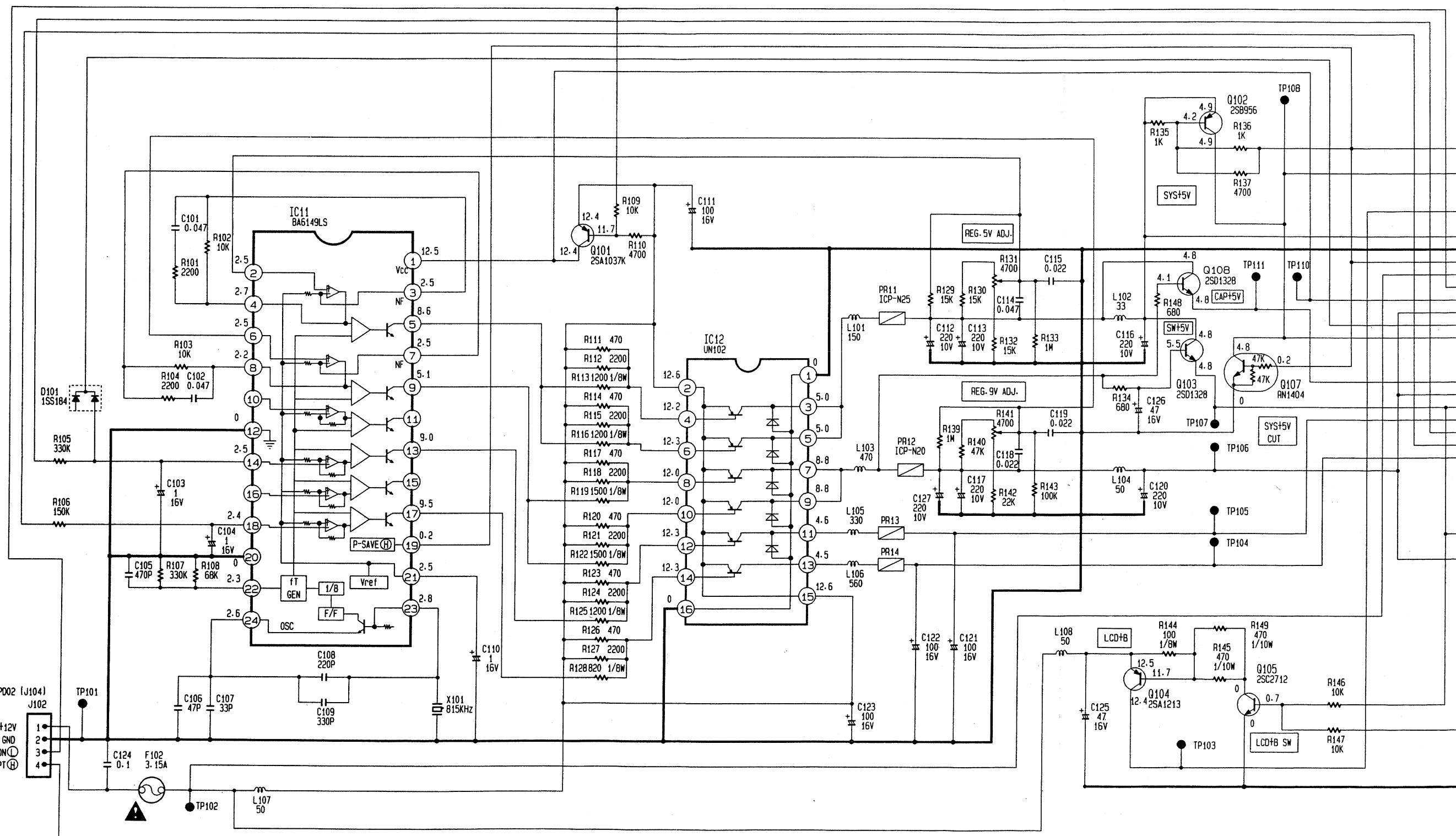
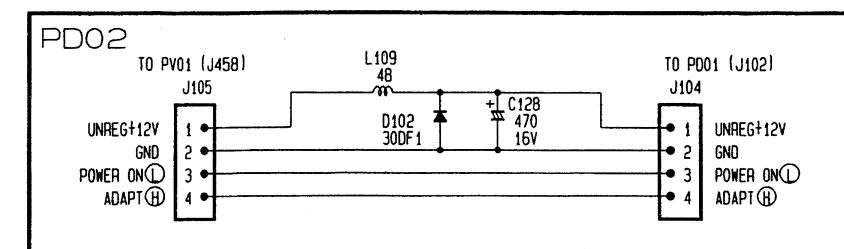


SERVO/DRIVE/SYSTEM CONTROL/VIDEO POWER SUPPLY
P. C. B DRAWING PD01

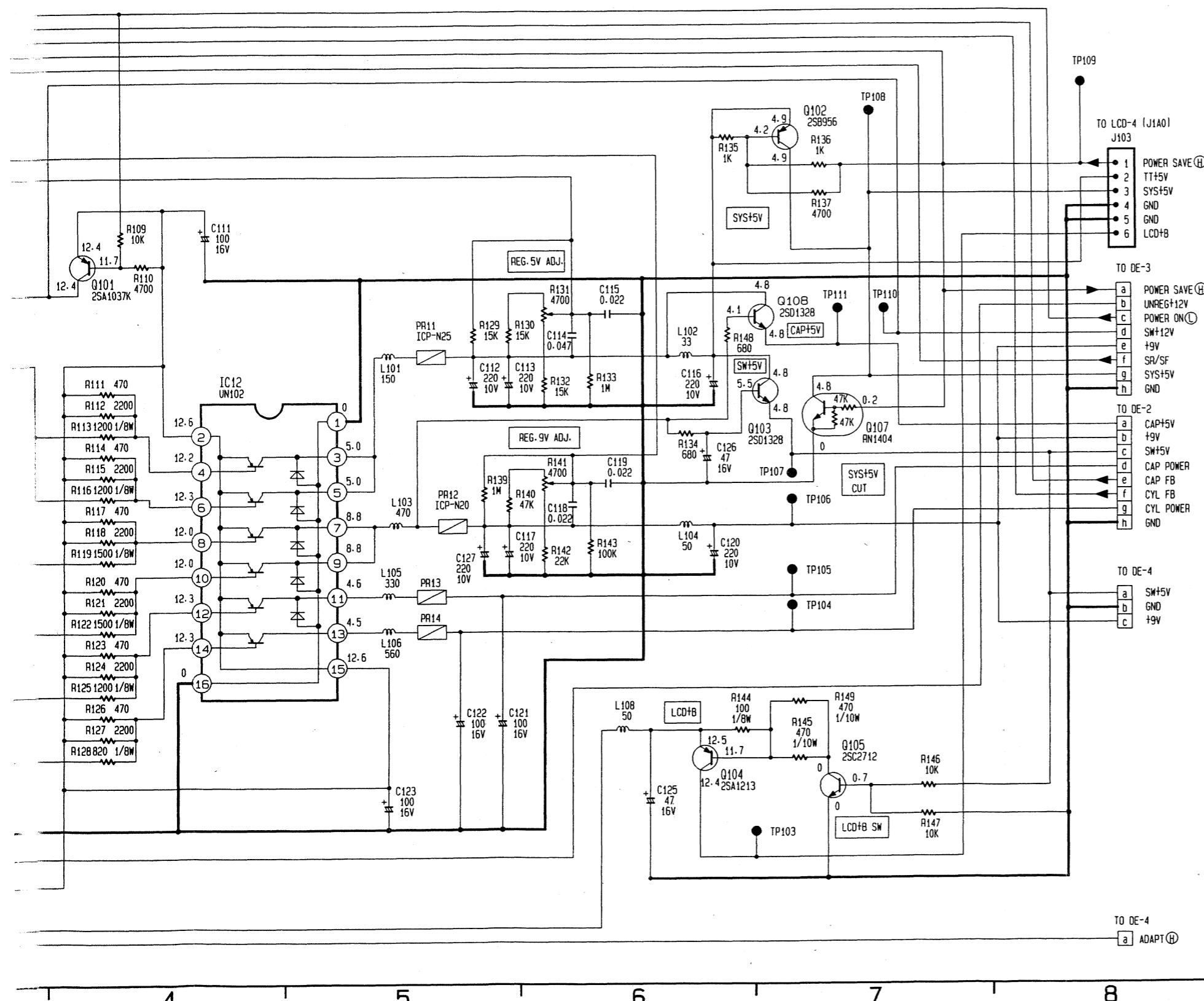


IC's	
IC11	B1
IC12	A2
IC21	B5
IC22	D4
IC23	B4
IC24	D3
IC26	B2
IC61	A4
IC62	B6
IC63	D6
IC64	D6
DIODES	
D101	C1
D201	D4
D204	C4
D205	C4
D206	C4
D207	A5
D208	B5
D209	D4
D210	D4
D211	D4
D601	E6
D602	A4
D603	A4
D604	D6
D605	B7
D606	D6
D607	D6
D608	D6
D609	E5
D610	D6
D611	D7
D621	E4
D622	E7
Q101	B2
Q102	D3
Q103	D3
Q104	D3
Q105	B3
Q107	D3
Q108	D3
Q204	D4
Q205	D3
Q206	B3
Q207	B3
Q208	B3
Q601	A4
Q602	A4
Q603	A4
Q604	E5
Q605	A4
Q606	E4
Q607	E4
Q608	E4
Q609	A3
Q610	A4
Q611	A3
Q612	D3
Q613	D7
Q614	D6
Q615	D7
Q616	E4
Q617	E4
Q618	A5
Q621	E5
Q622	A5
Q623	E5
Q631	D6
Q632	B7
Q633	E5
Q637	A5
Q638	E5
Q640	B6

MODEL : PVR570 (PAL)
SCHEMATIC DIAGRAM (PS)
(VIDEO POWER SUPPLY BLOCK)



(PS)
(OK)



VIDEO POWER SUPPLY P.C.B. DRAWING PD02

5

IC's

 TRANSISTORS

TRANSCT
Q101 B4
Q102 B7
Q103 C7
Q104 E6
Q105 E7
Q107 C7
Q108 C7

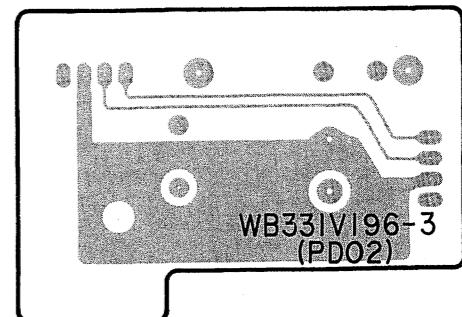
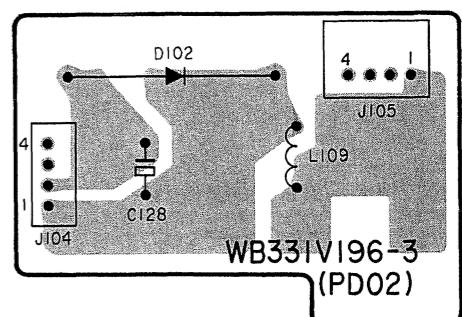


DIODES

D101 C1
D102 A7

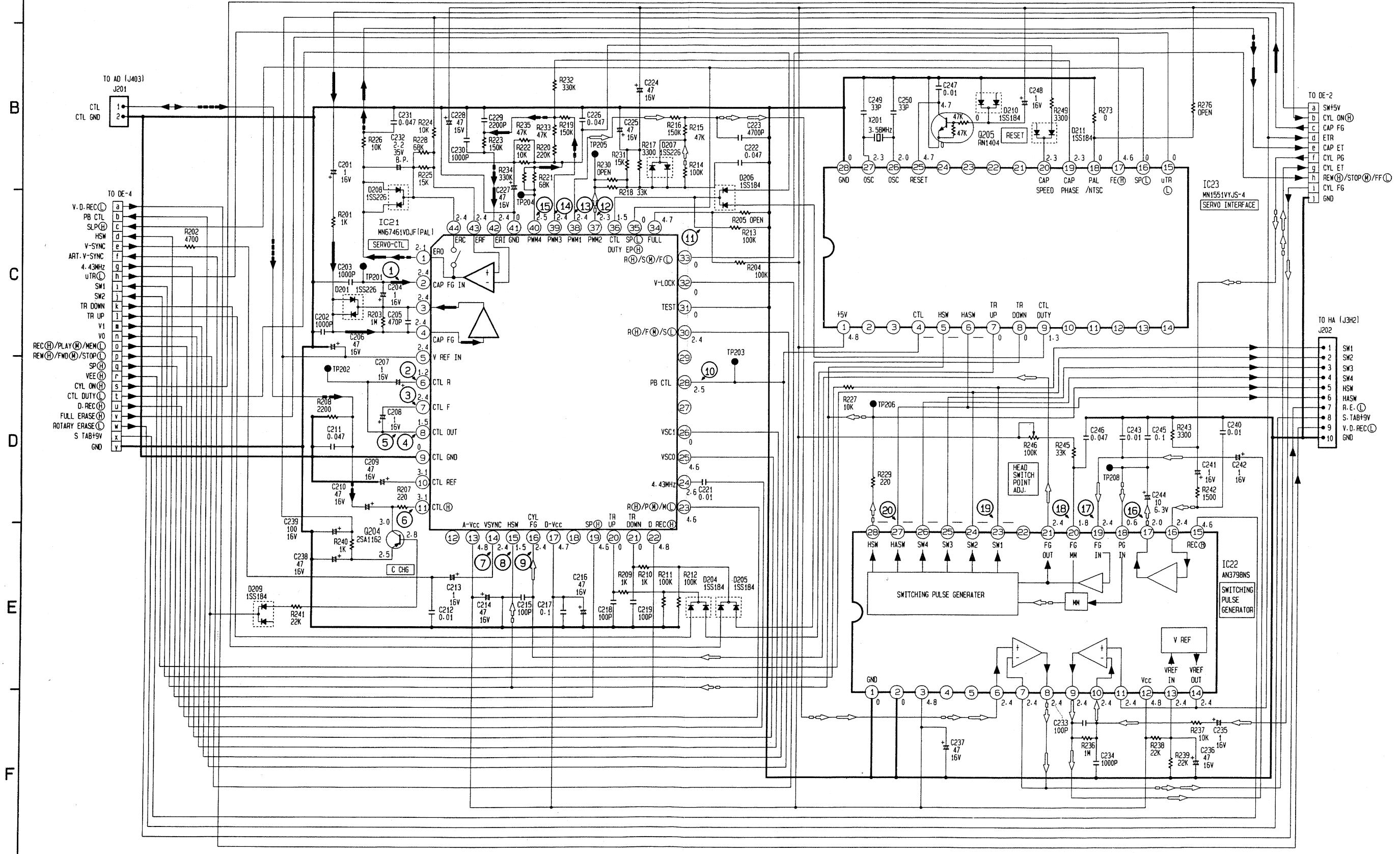
TEST POINTS

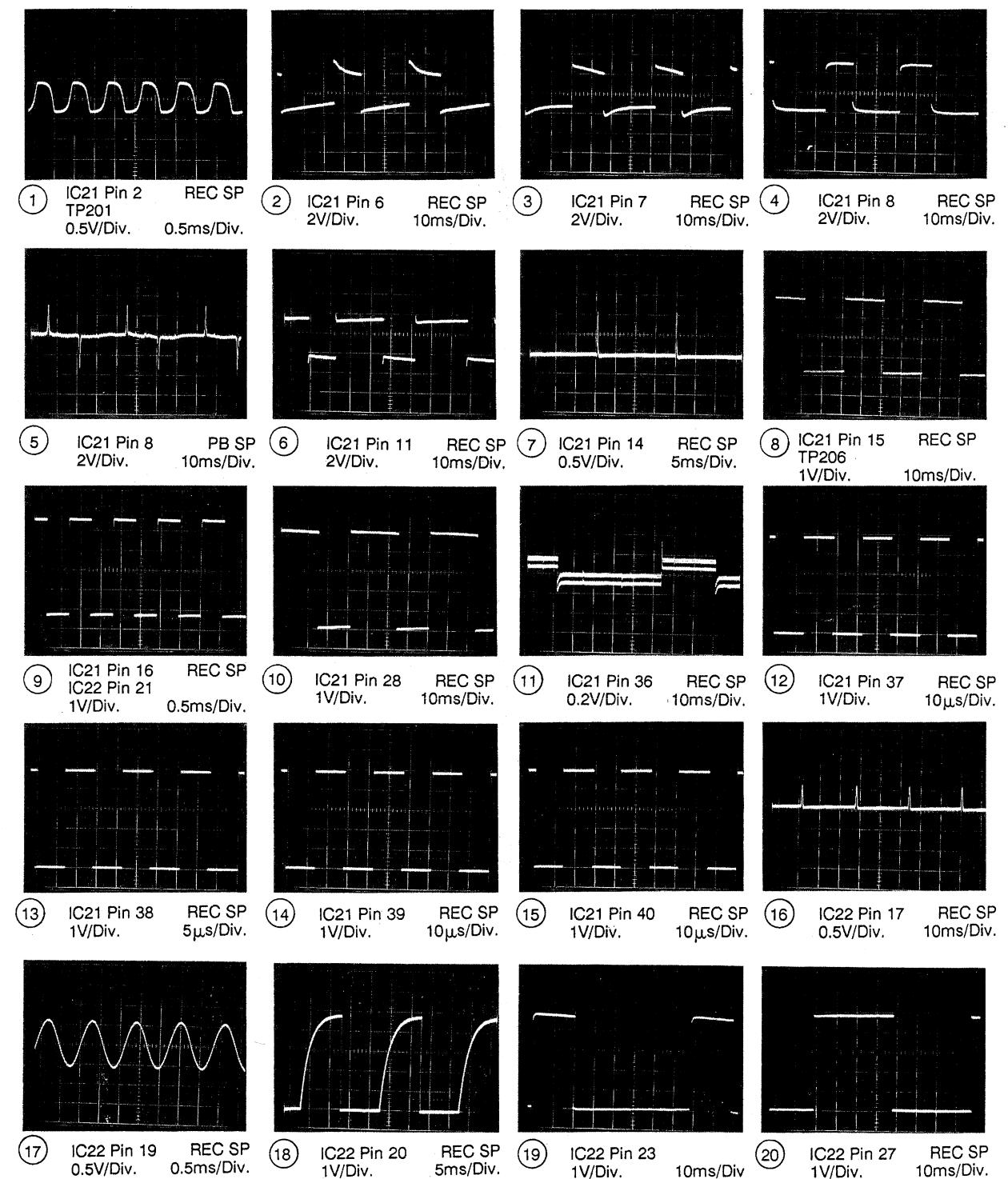
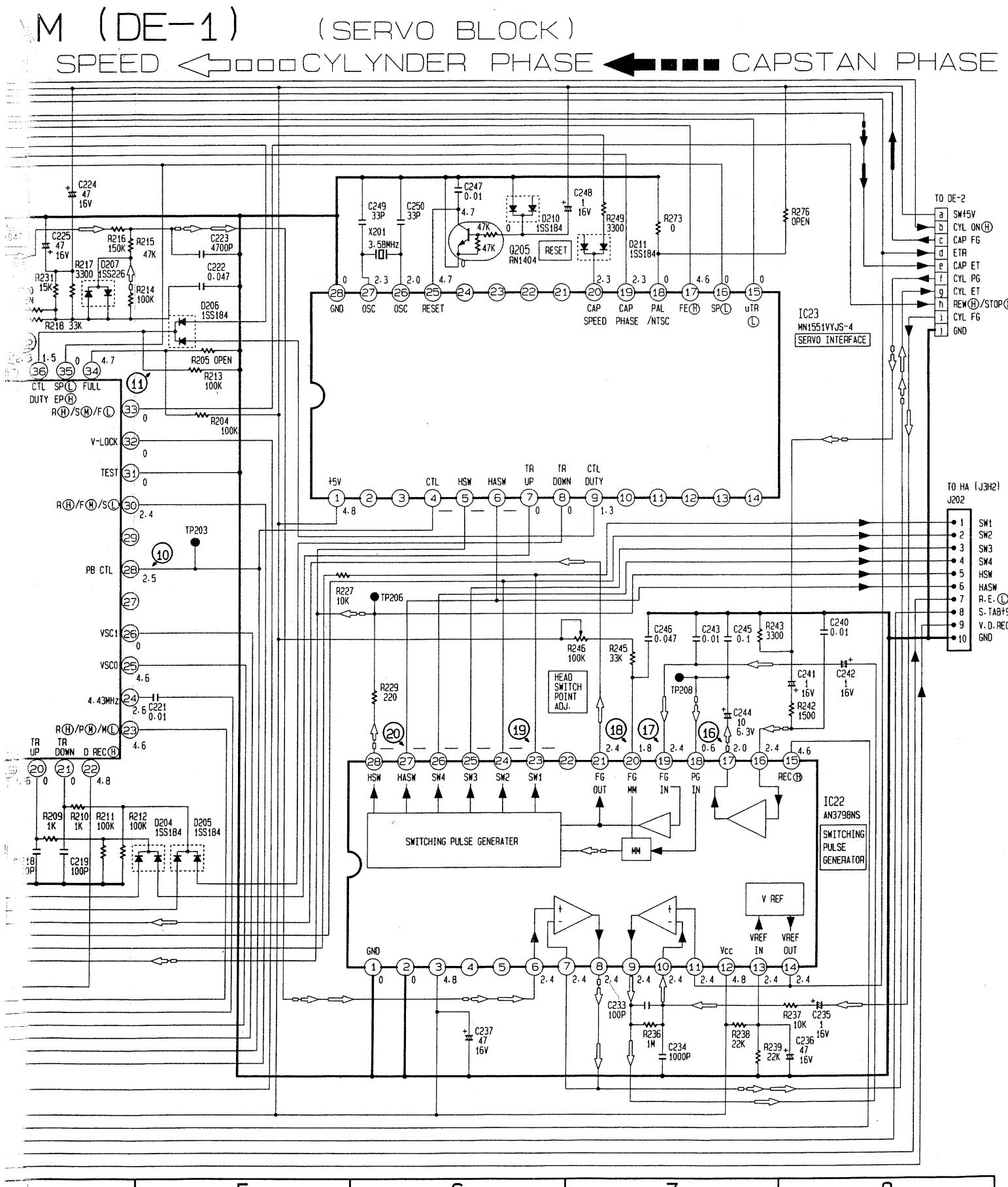
TP101 E1
TP102 E2
TP103 E7
TP104 D7
TP105 D7
TP106 C7
TP107 C7
TP108 B7
TP109 B8
TP110 C7
TP111 C7



MODEL : PVR570 (PAL)
SCHEMATIC DIAGRAM (DE-1) (SERVO BLOCK)

CYLINDER SPEED ← **CAPSTAN SPEED** ← **CYLINDER PHASE** ← **CAPSTAN PHASE**

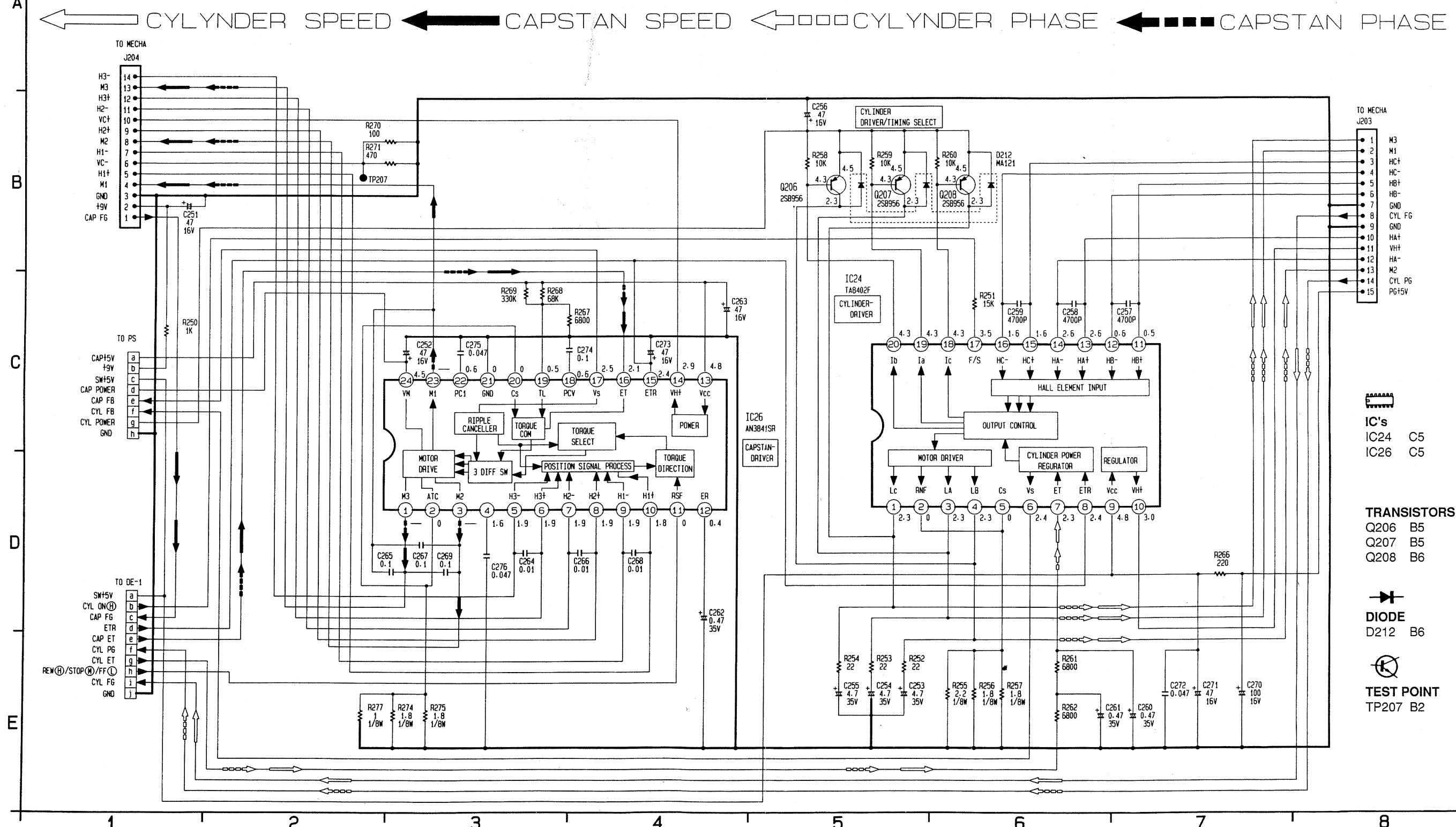




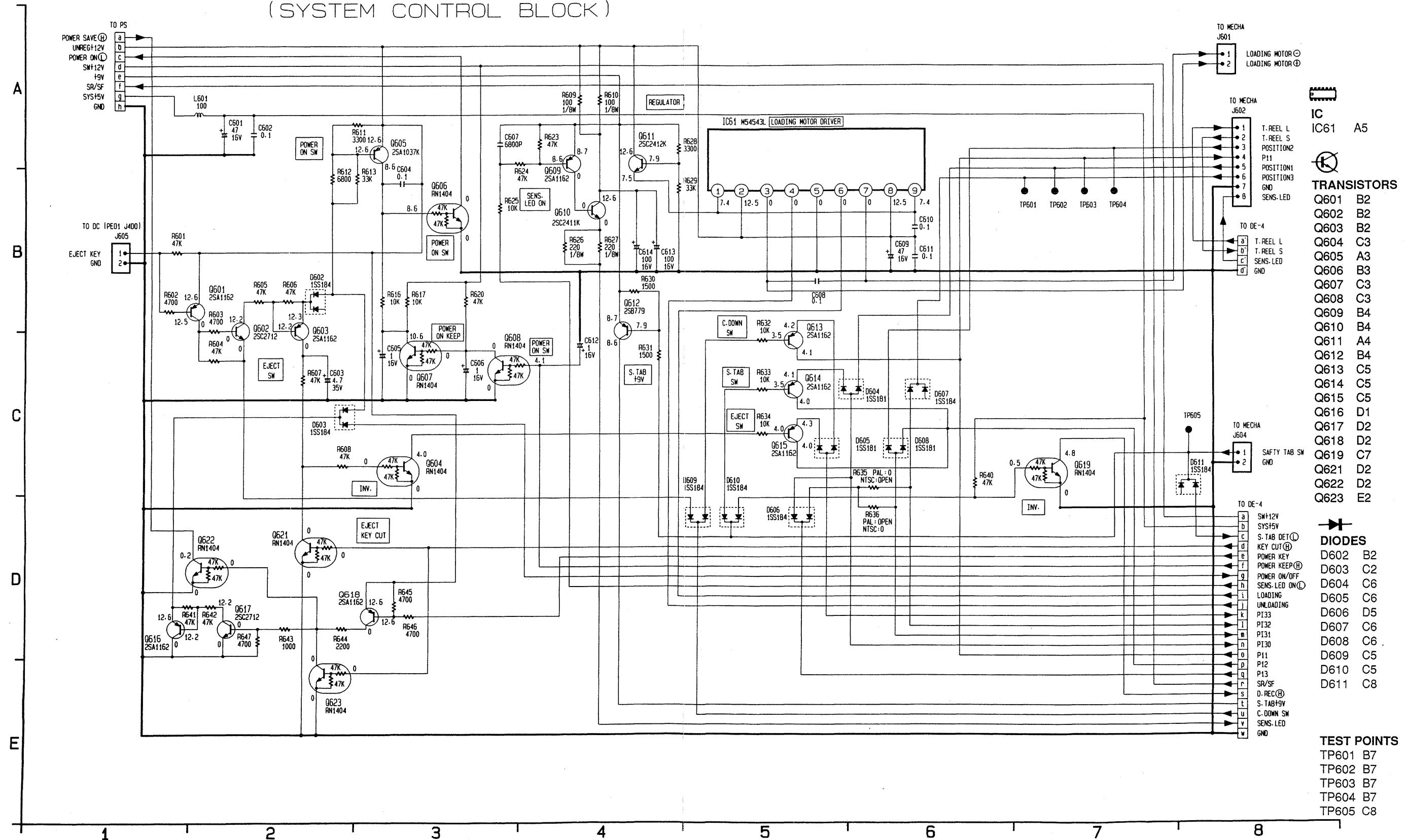
TEST POINTS

- TP201 C3
- TP202 D2
- TP203 C5
- TP204 C3
- TP205 B4
- TP206 D6
- TP208 D7

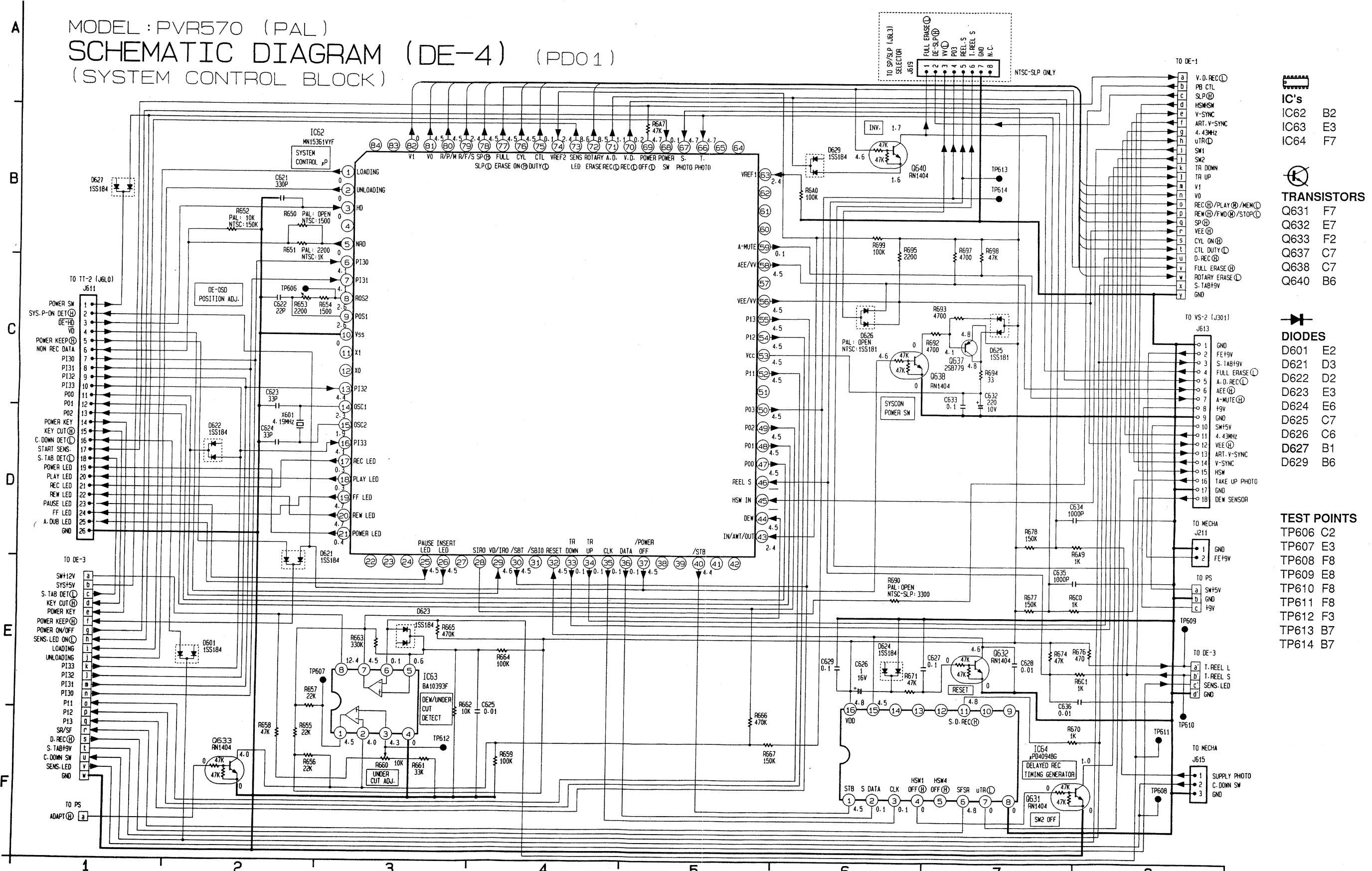
MODEL : PVR570 (PAL)
SCHEMATIC DIAGRAM (DE-2)
(DRIVER BLOCK)



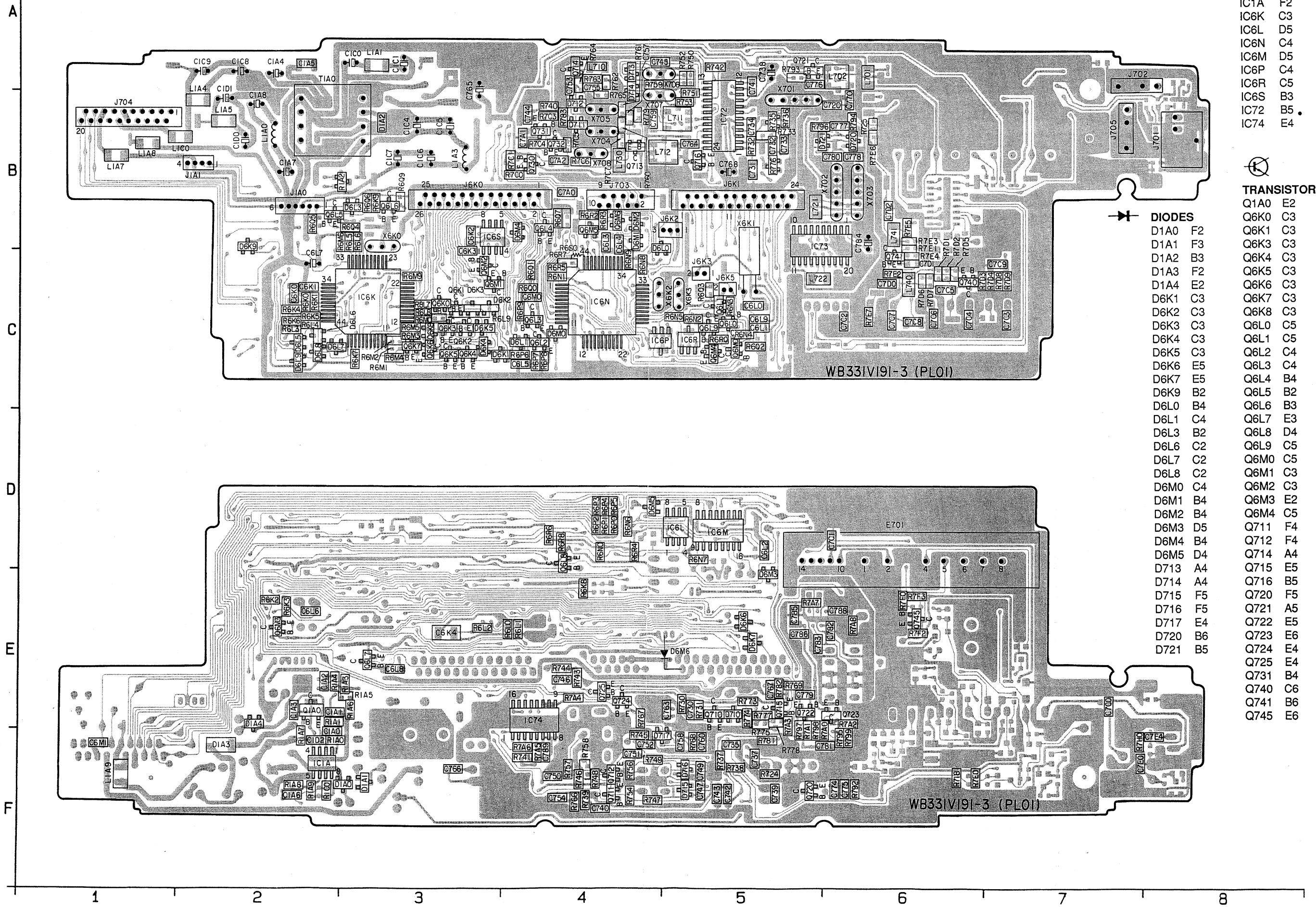
MODEL : PVR570 (PAL)
SCHEMATIC DIAGRAM (DE-3)
 (SYSTEM CONTROL BLOCK)



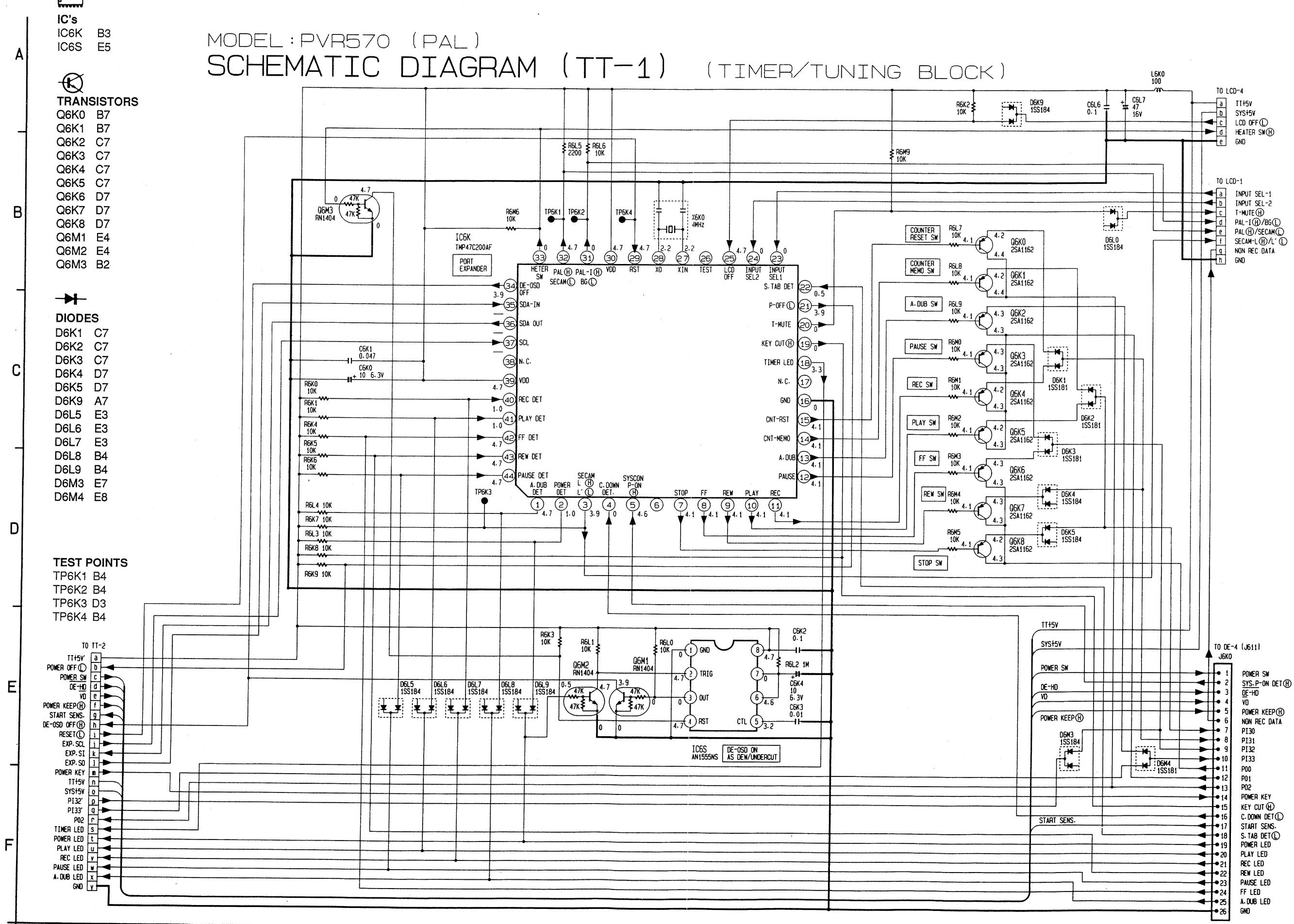
MODEL : PVR570 (PAL)
SCHEMATIC DIAGRAM (DE-4) (PDO 1)
 (SYSTEM CONTROL BLOCK)

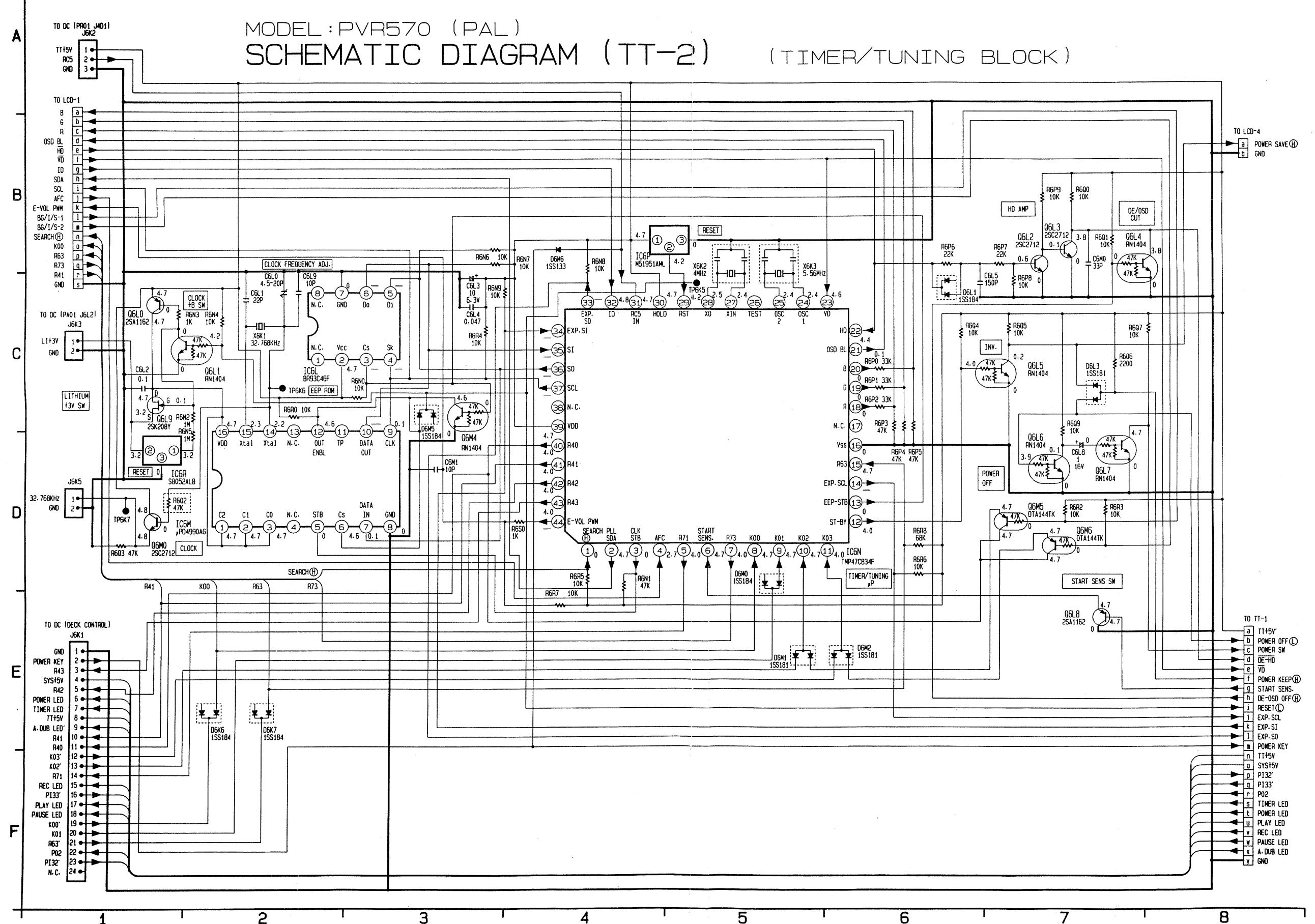


**RF/IF/TIMER/TUNING/RF, IF, CHROMA POWER SUPPLY
P. C. B DRAWING PL01**



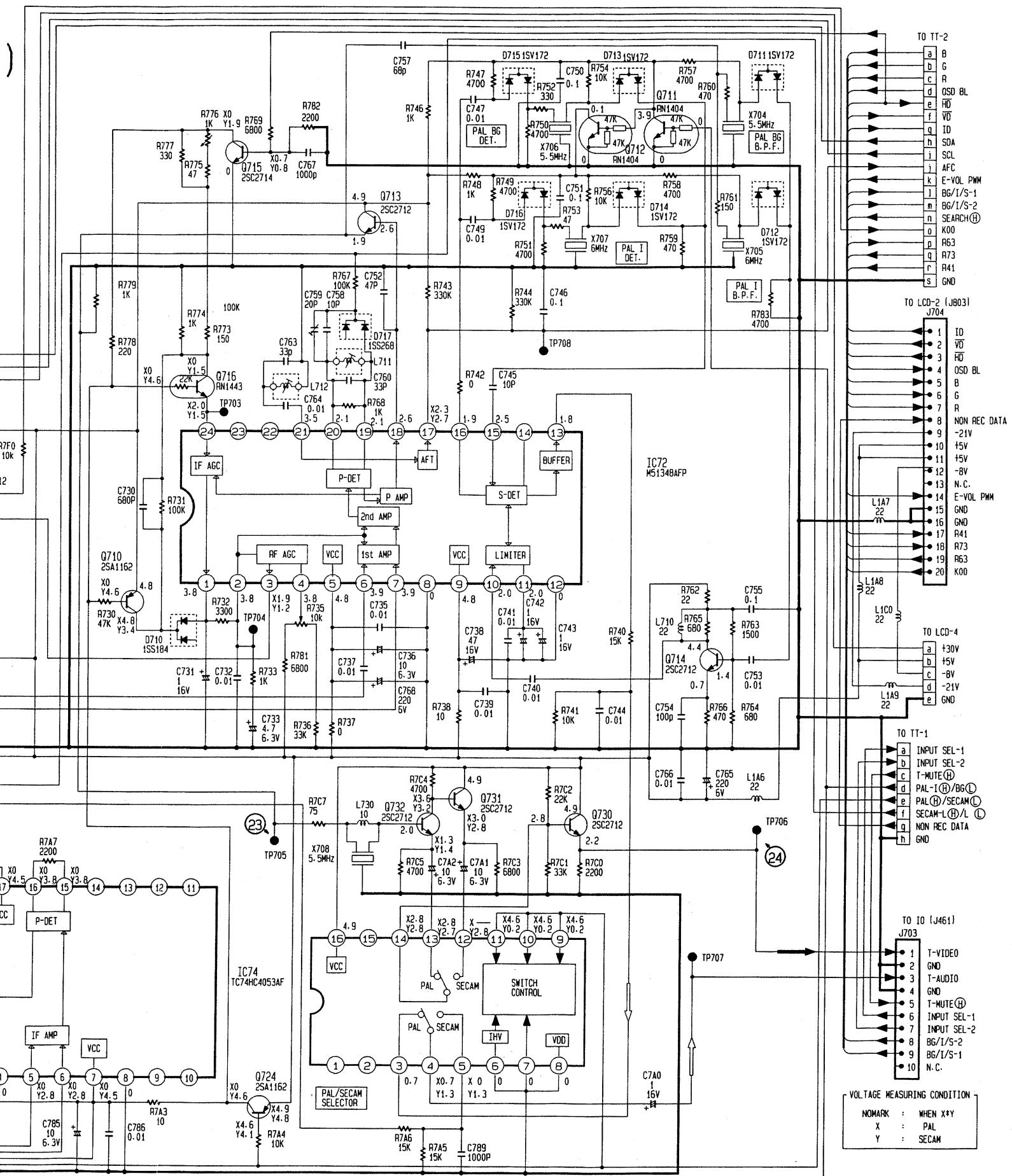
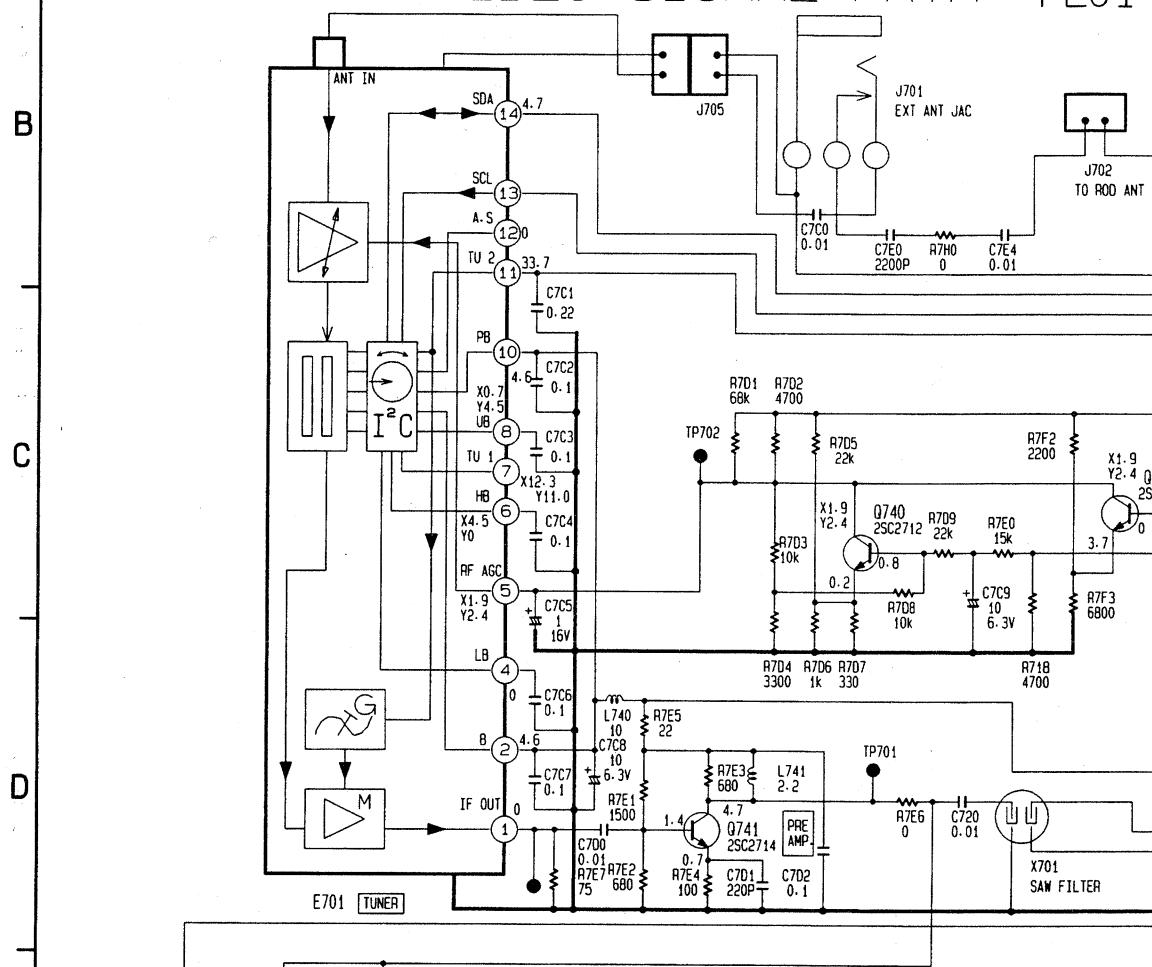
MODEL : PVR570 (PAL)
SCHEMATIC DIAGRAM (TT-1) (TIMER/TUNING BLOCK)



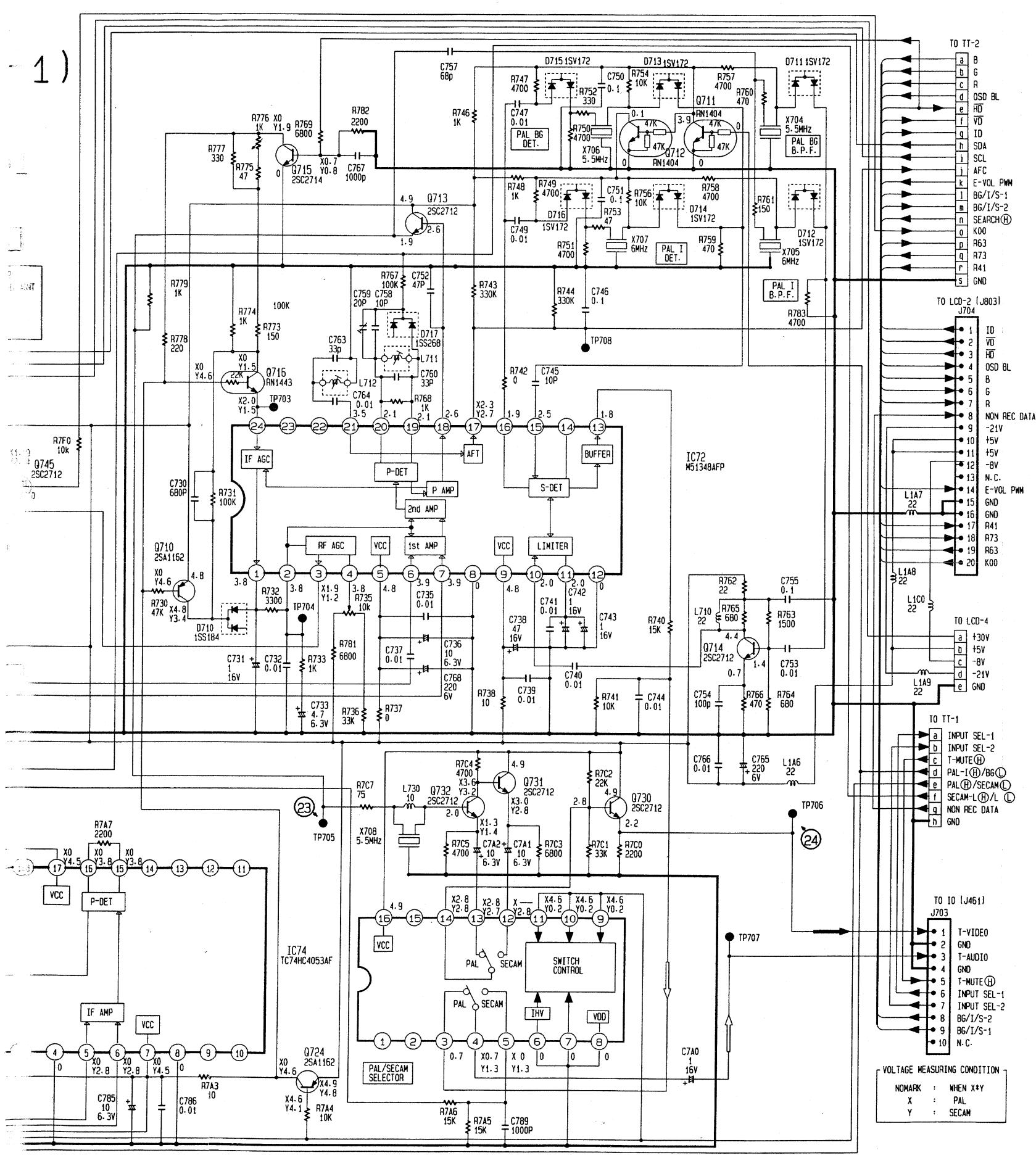


MODEL : PVR570 (PAL)
SCHEMATIC DIAGRAM (LCD-1)
(RF/IF BLOCK)

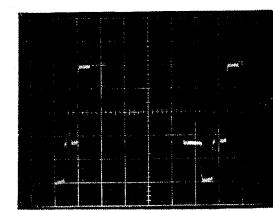
AUDIO SIGNAL PATH
VIDEO SIGNAL PATH PL01



1 2 3 4 5 6 7 8



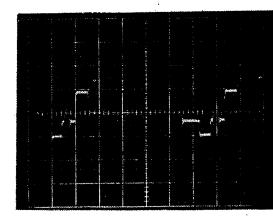
IC's	C7
IC72	E3
IC73	E5



② TP701
200mV/Div. 10μs/Div.

TRANSISTORS

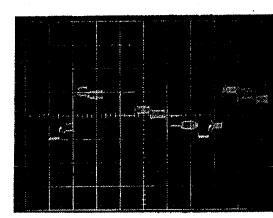
Q710	D4
Q711	A7
Q712	B7
Q713	B6
Q714	D7
Q715	B5
Q716	C5
Q720	F1
Q721	F1
Q722	E2
Q723	F2
Q724	F5
Q725	E3
Q730	E7
Q731	E6
Q732	E6
Q740	C3
Q741	D3
Q745	C4



③ T-Video Out PAL
500mV/Div. 10μs/Div.

TO LCD-2 (J803)	1
Q704	2
ID	3
VO	4
HD	5
OSD BL	6
8	7
NON REC DATA	8
-21V	9
+5V	10
+5V	11
-8V	12
N.C.	13
E-VOL PWM	14
GND	15
R41	16
R73	17
R63	18
K00	19
Q745	20

TO LCD-4	a
Q714	b
2SC2712	c
4.4	d
0.7	e
1.4	f
C753	g
0.01	h
C755	i
0.1	j
L1A8	k
22	l
L1C0	m
22	n
L149	o
22	p
TO TT-1	q
INPUT SEL-1	r
INPUT SEL-2	s
T-MUTE (H)	t
PAL-I (H)/BG (L)	u
PAL (H)/SECAM (L)	v
SECAM-L (H)/L (L)	w
NON REC DATA	x
GND	y



④ T-Video Out SECAM
500mV/Div. 10μs/Div.

TEST POINTS	
TP701	D3
TP702	C2
TP703	C5
TP704	D5
TP705	E5
TP706	E8
TP707	E7
TP708	B6

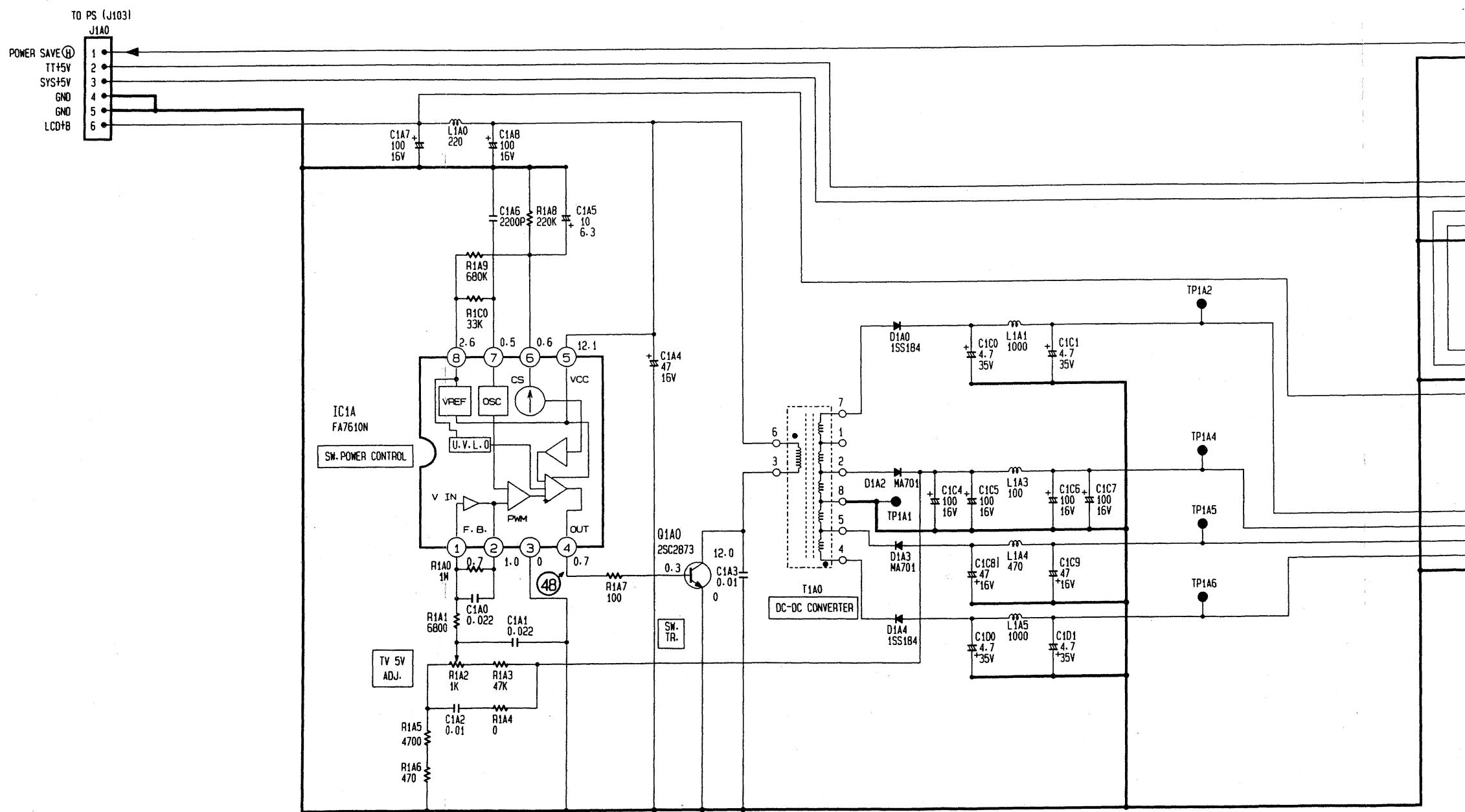
VOLTAGE MEASURING CONDITION

NO MARK	: WHEN X=Y
X	: PAL
Y	: SECAM

A

MODEL : PVR570 (PAL)
SCHEMATIC DIAGRAM (LCD-4)
(RF/IF/CHROMA POWER SUPPLY BLOCK)

B



1

2

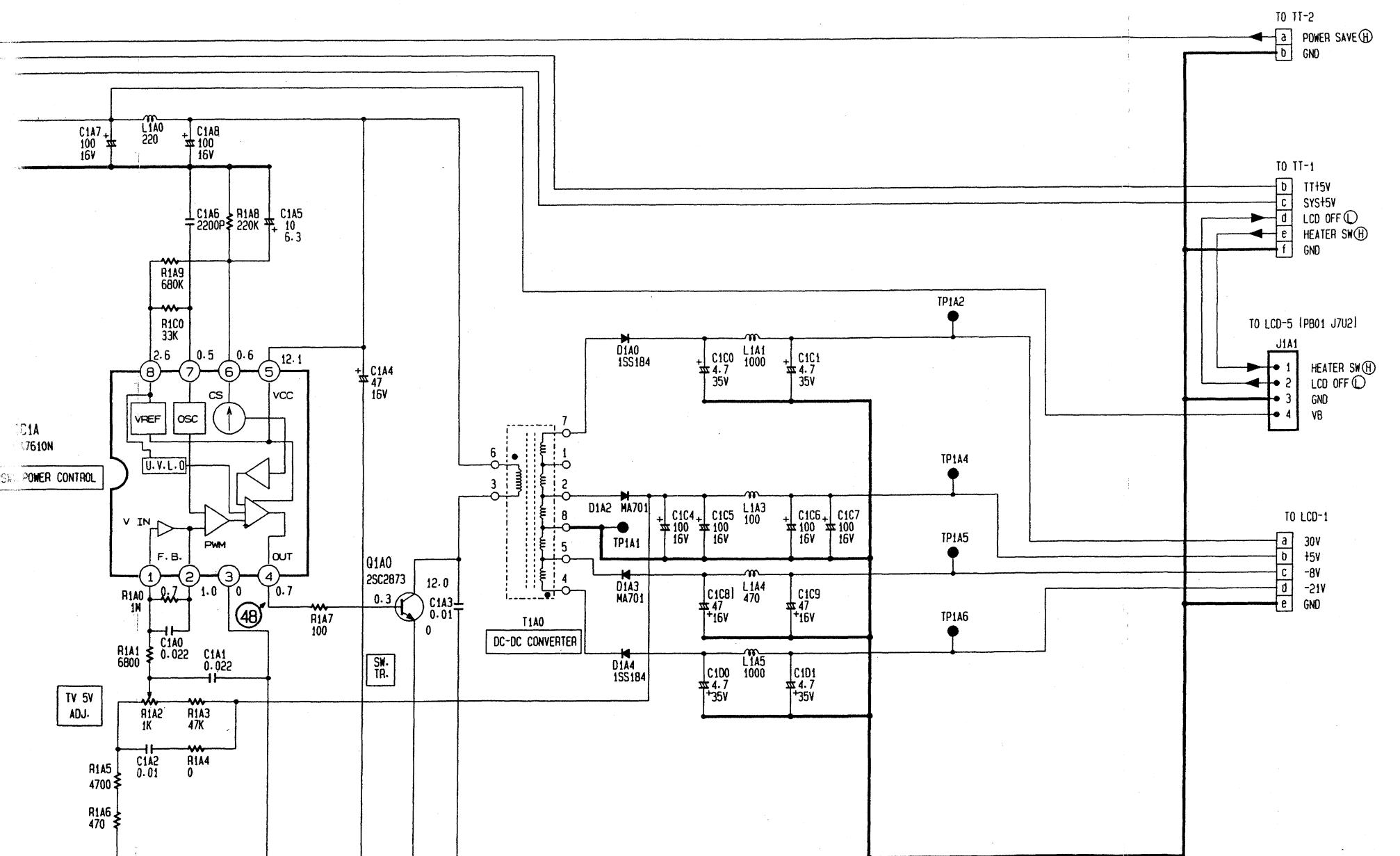
3

4

5

6

PVR570 (PAL)
 SCHEMATIC DIAGRAM (LCD-4)
 F/CHROMA POWER SUPPLY BLOCK



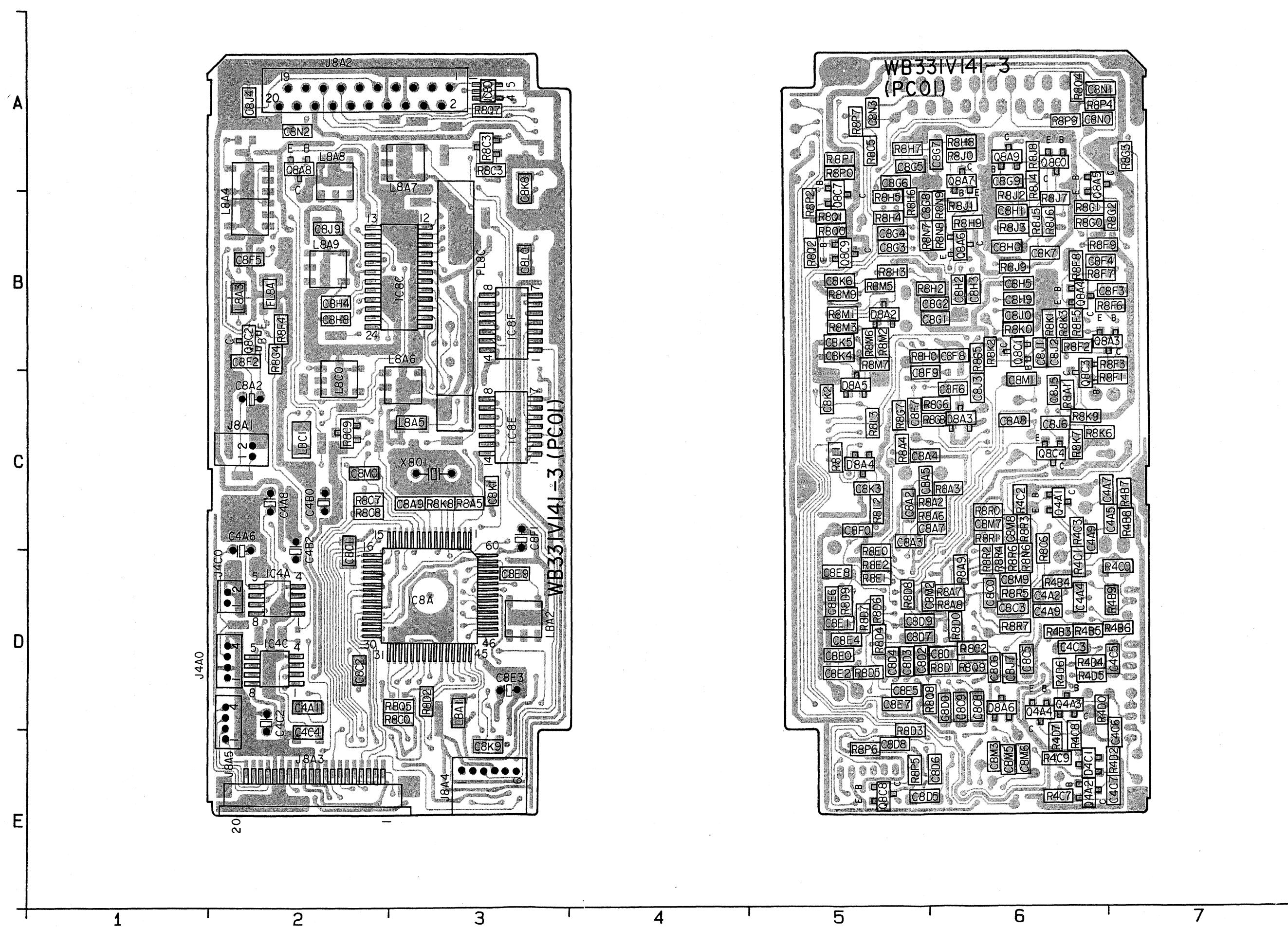
IC
IC1A C2

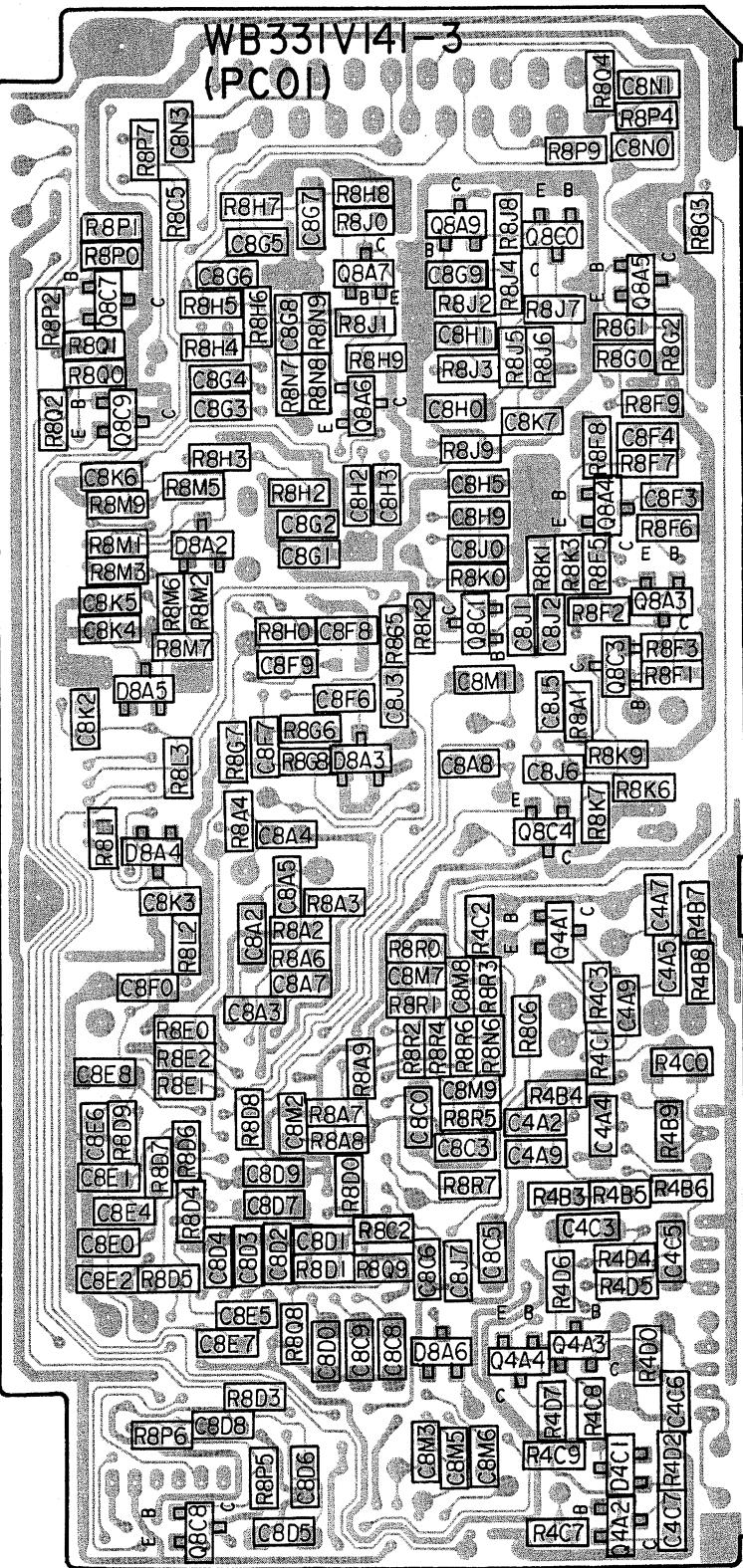
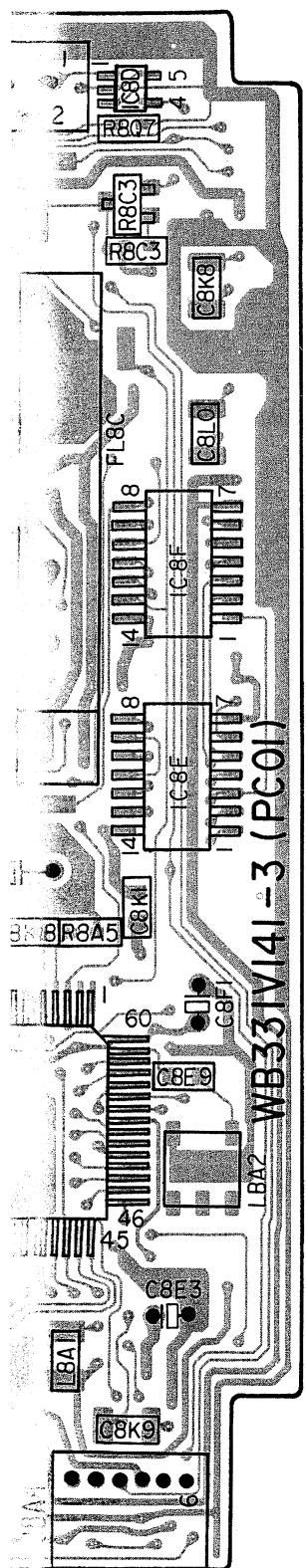
TRANSISTOR
Q1A0 D3

DIODES
D1A0 C4
D1A2 D4
D1A3 D4
D1A4 D4

TEST POINTS
TP1A1 D4
TP1A2 C6
TP1A4 C6
TP1A5 D6
TP1A6 D6

CHROMA DECODER/SYNC P.C.B. DRAWING PC01



**IC's**

IC4A	D2
IC4C	D2
IC8A	D3
IC8C	B3
IC8D	A3
IC8E	C3
IC8F	B3

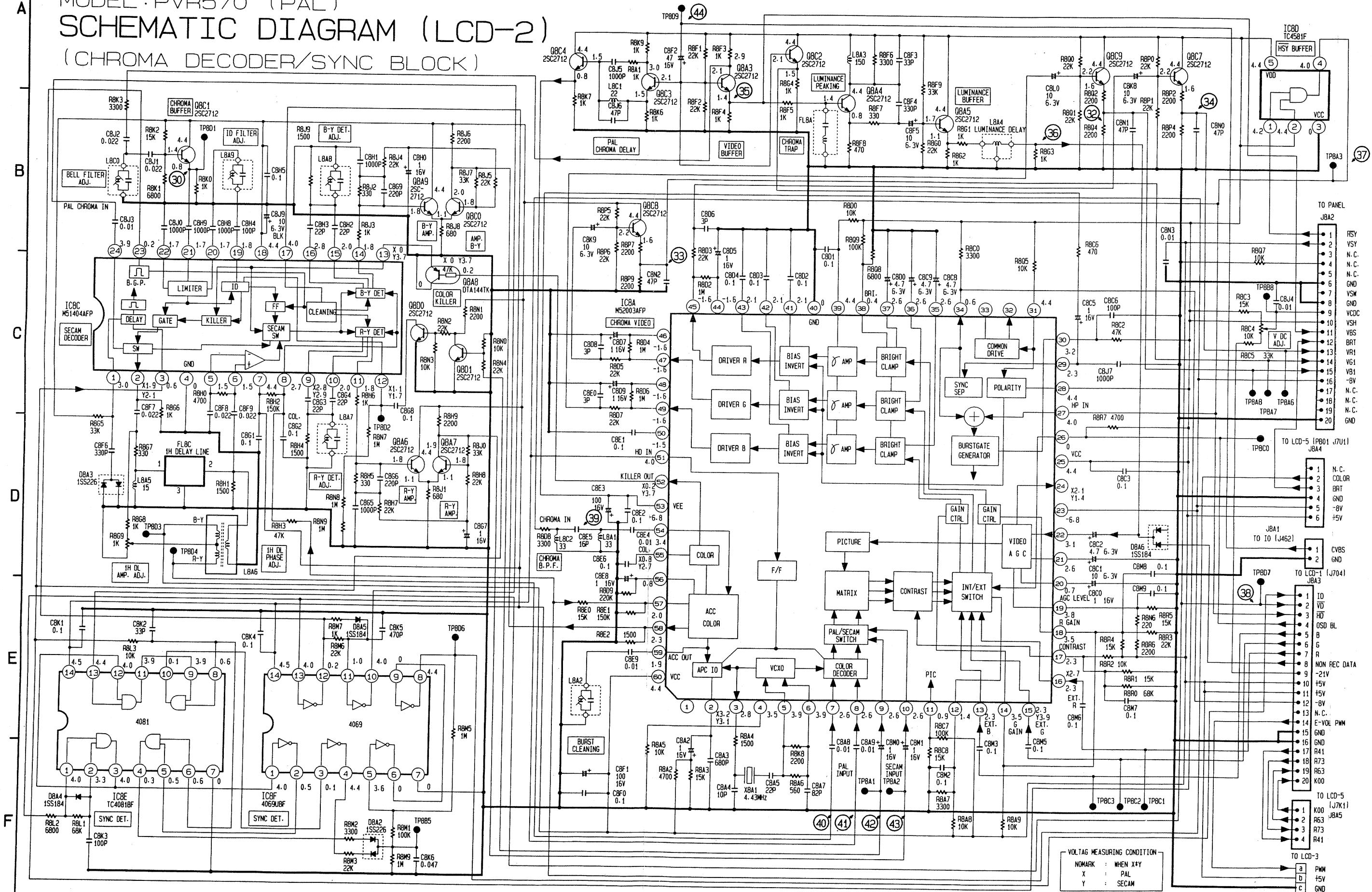
**TRANSISTORS**

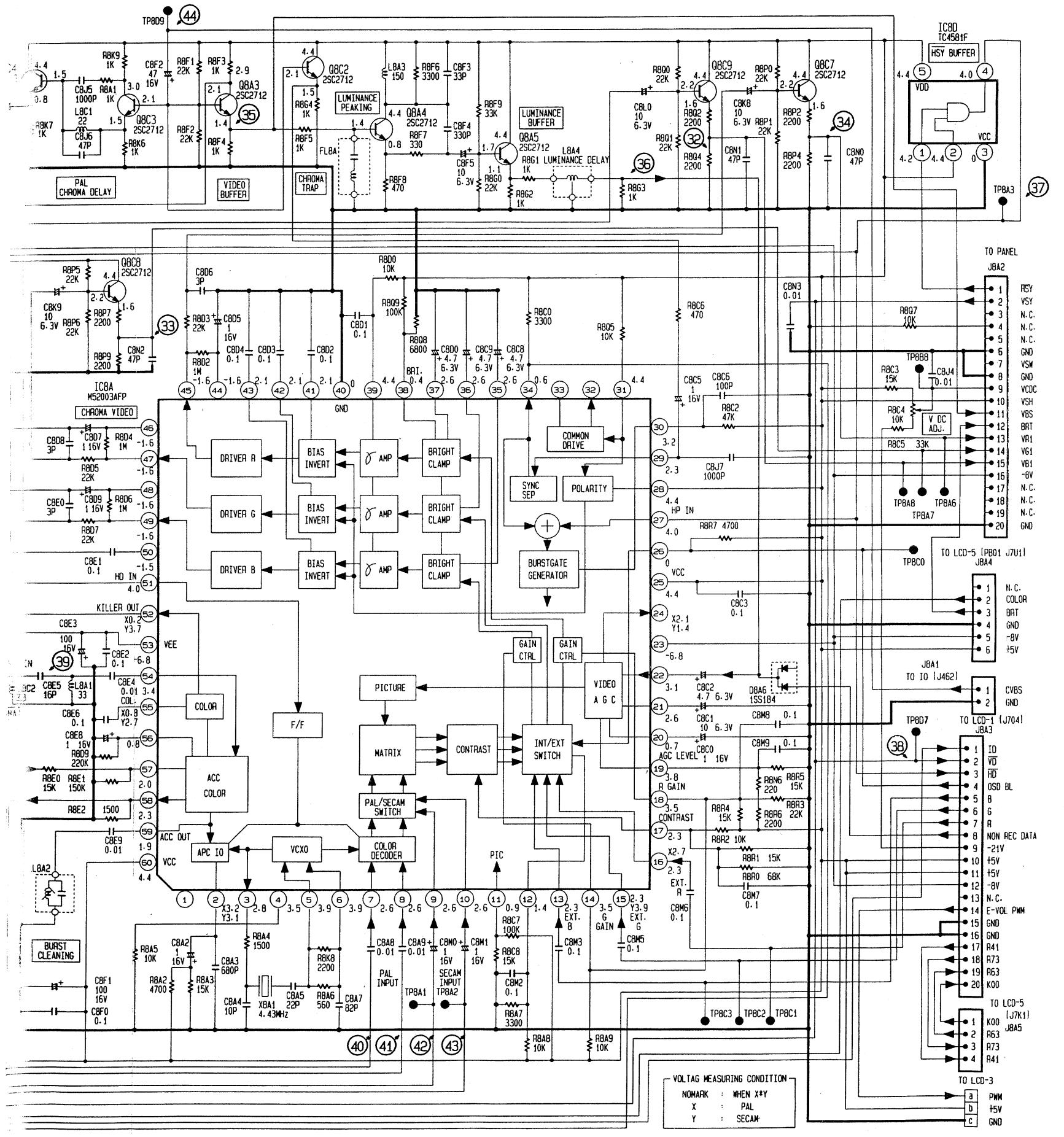
Q4A1	C6
Q4A2	E6
Q4A3	D6
Q4A4	D6
Q8A3	B6
Q8A4	B6
Q8A5	B6
Q8A6	B6
Q8A7	A6
Q8A8	A2
Q8A9	A6
Q8C0	A6
Q8C1	B6
Q8C2	B2
Q8C3	C6
Q8C4	C6
Q8C7	B5
Q8C8	E5
Q8C9	B5

**DIODES**

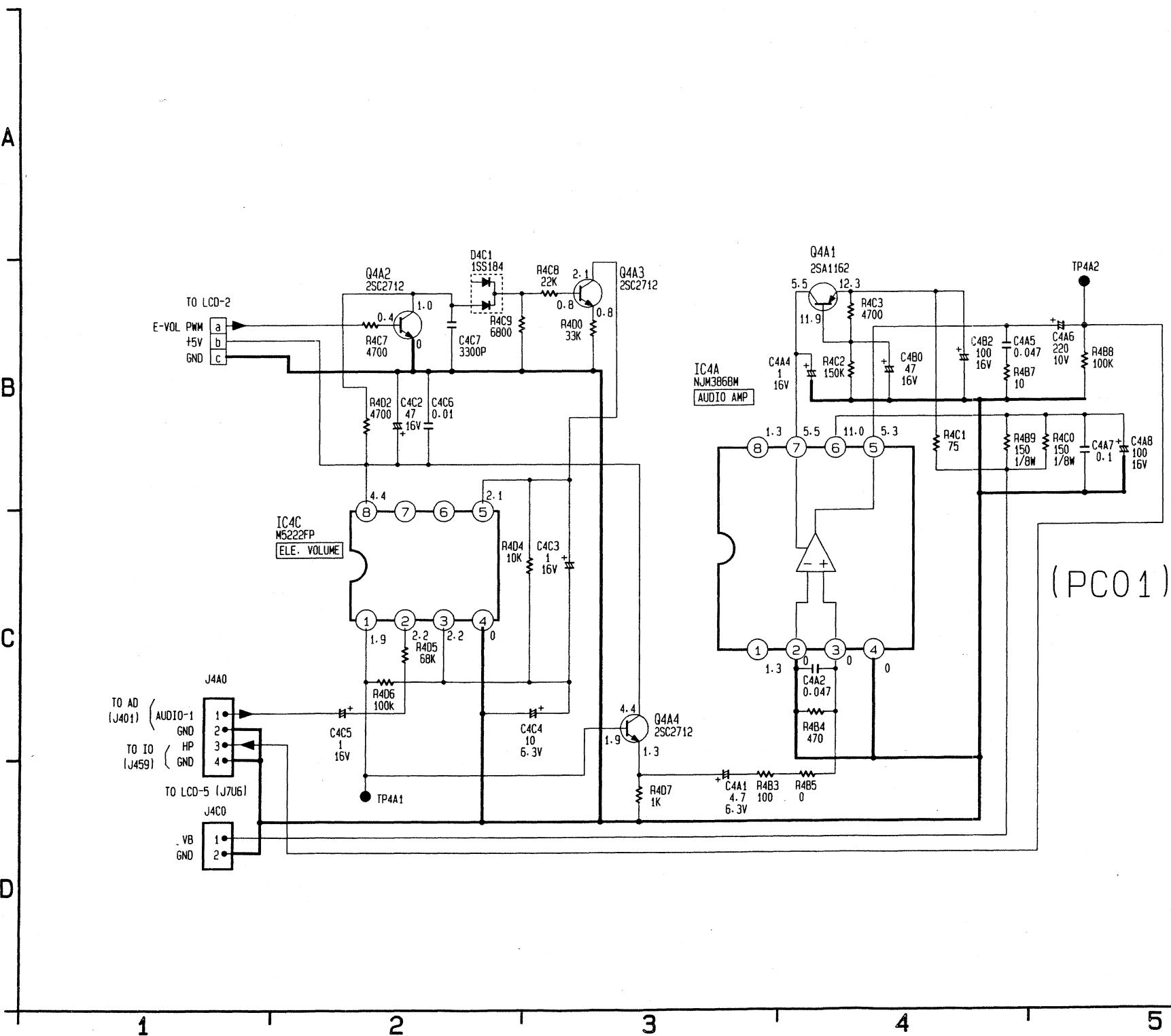
D4C1	E6
D8A2	B5
D8A3	C6
D8A4	C5
D8A5	C5
D8A6	D6

**A MODEL : PVR570 (PAL)
SCHEMATIC DIAGRAM (LCD-2)
(CHROMA DECODER/SYNC BLOCK)**





MODEL : PVR570 (PAL)
 SCHEMATIC DIAGRAM (LCD-3) (AMP BLOCK)



IC's
 IC4A B3
 IC4C C2

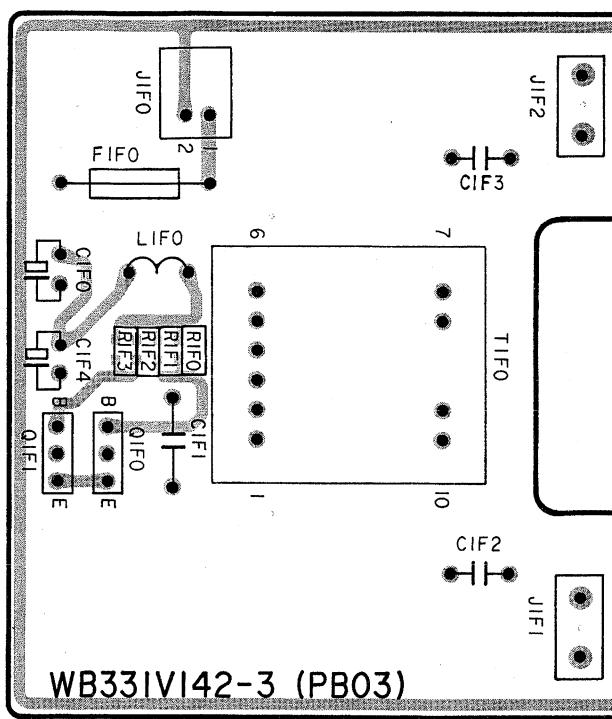
TRANSISTORS
 Q4A1 B4
 Q4A2 B2
 Q4A3 B3
 Q4A4 C3

DIODES
 D4C1 B2

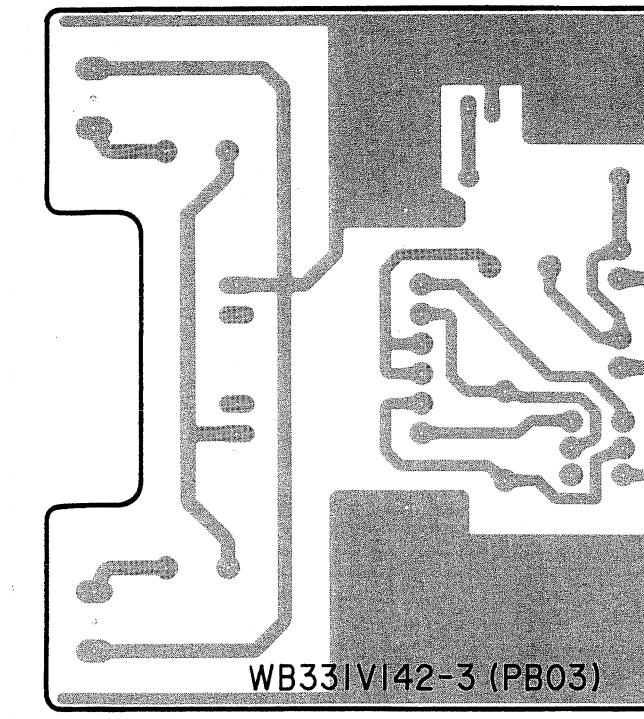
TEST POINTS
 TP4A1 D2
 TP4A2 B5

BACK LIGHT P. C. B DRAWING PB03

A



B

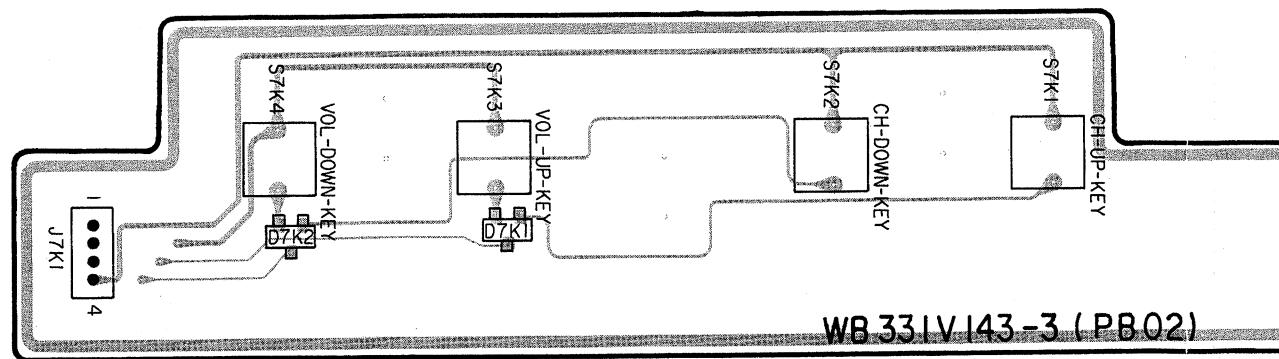


TRANSISTORS
Q1F0 B2
Q1F1 B2

C

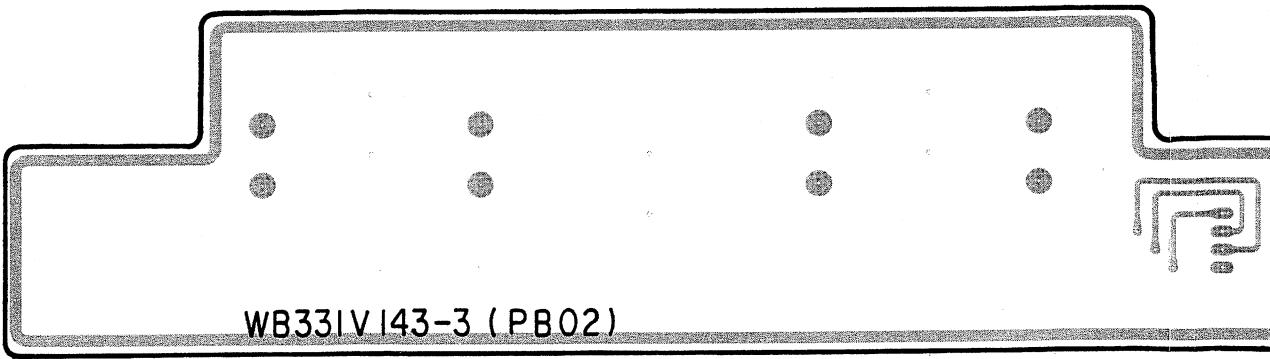
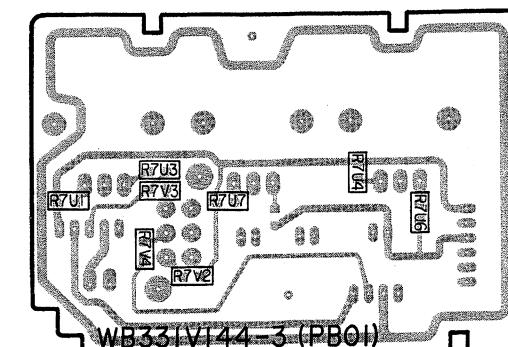
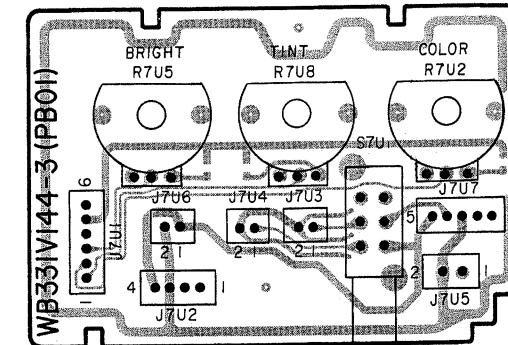
CH+/-, VOL+/- P. C. B DRAWING PB02

D

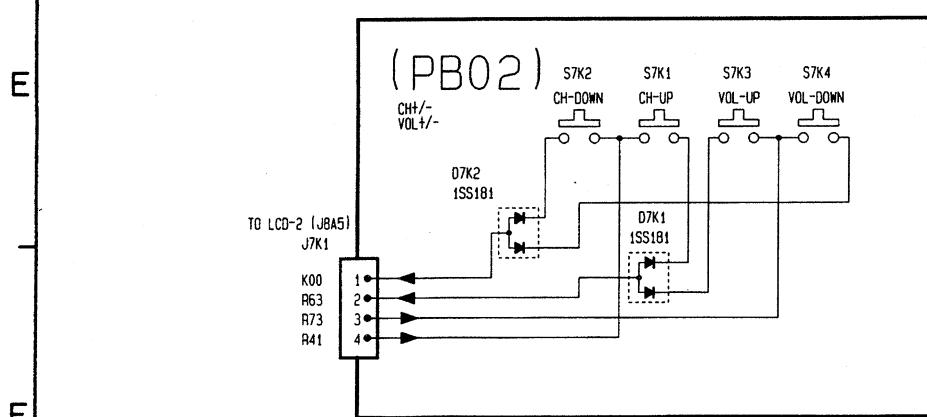
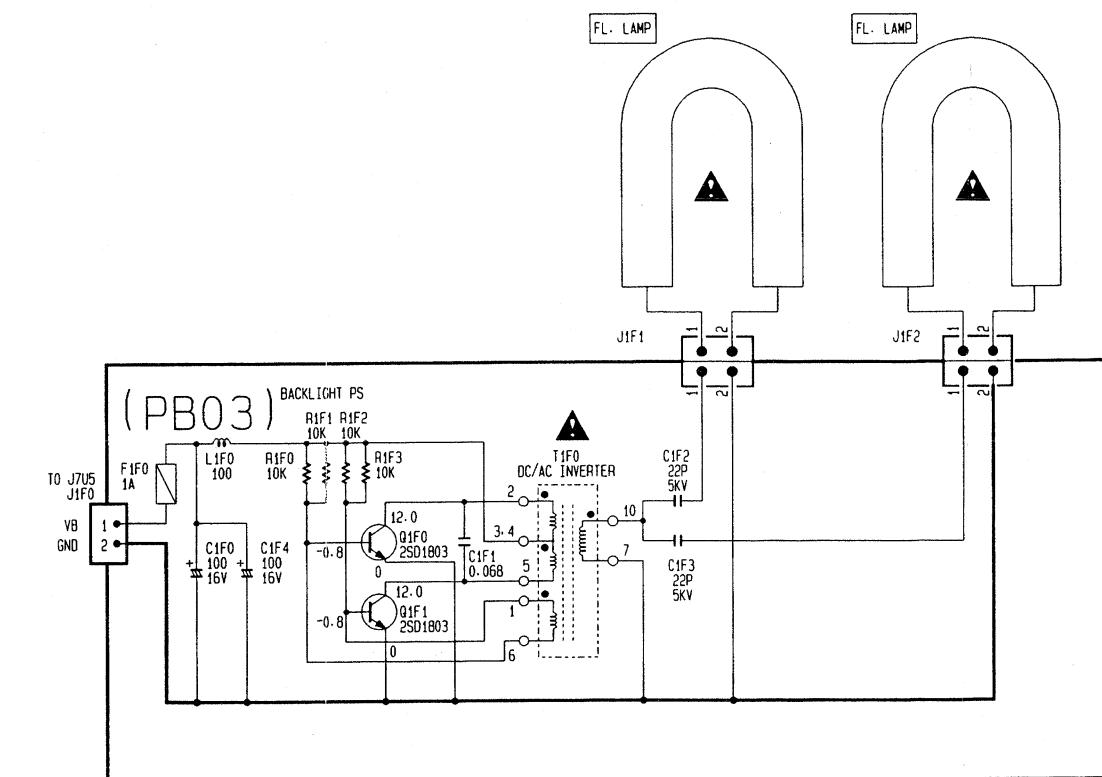
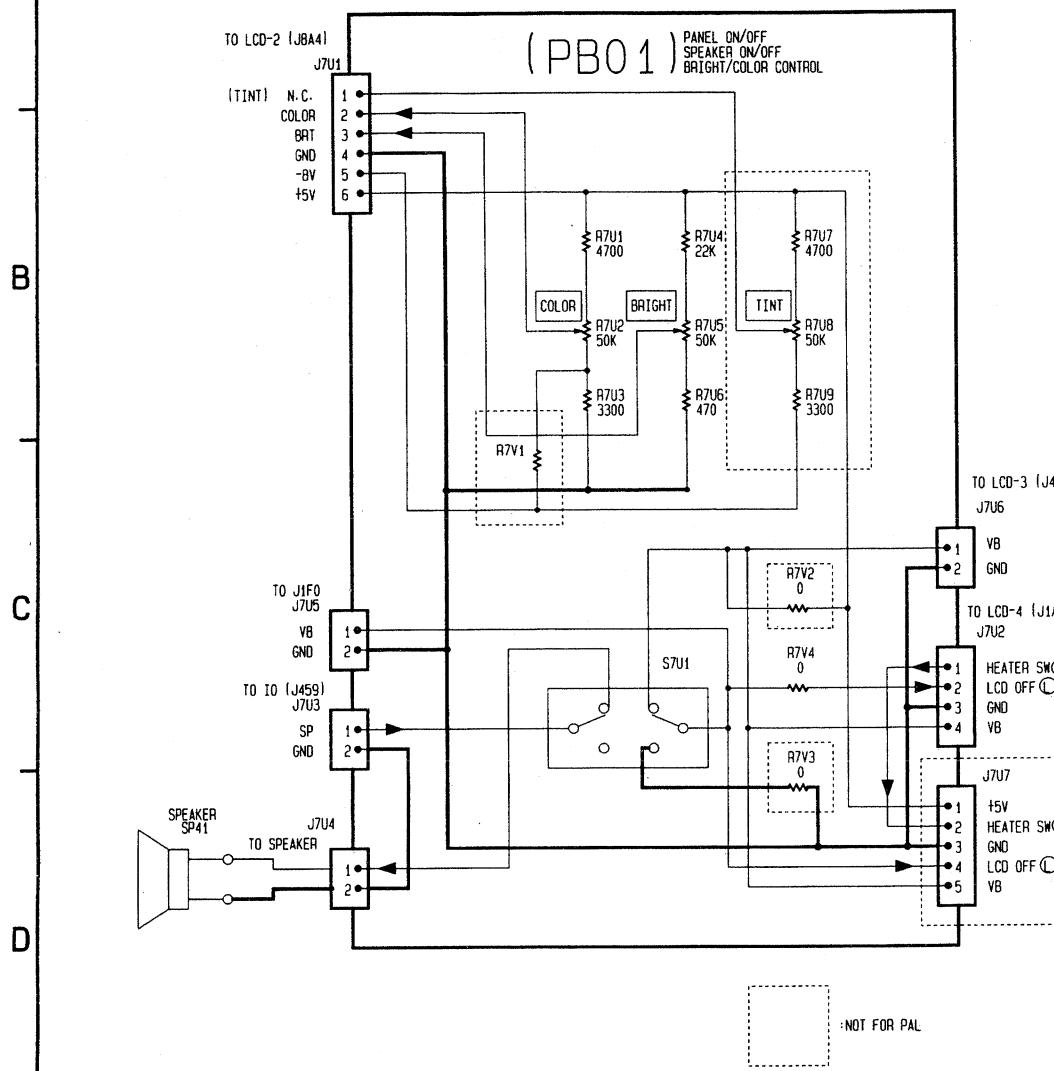


DIODES
D7K1 D2
D7K2 D2

E

PANEL ON/OFF, SPEAKER ON/OFF,
BRIGHT/COLOR CONTROL P. C. B DRAWING PB01

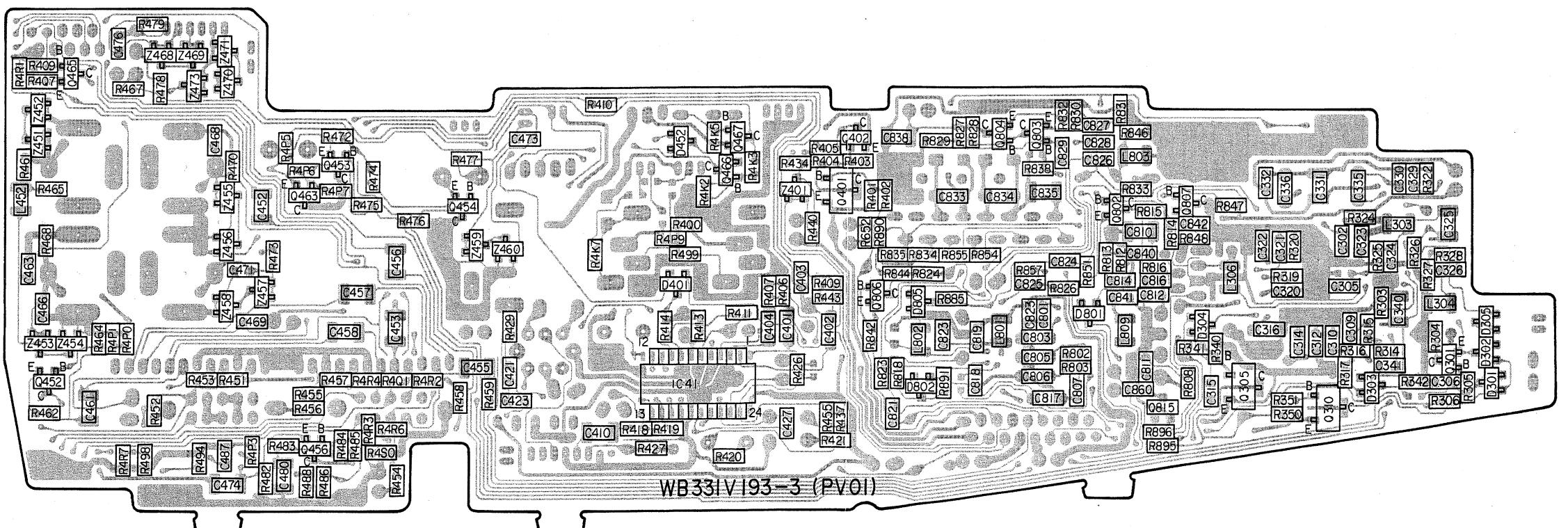
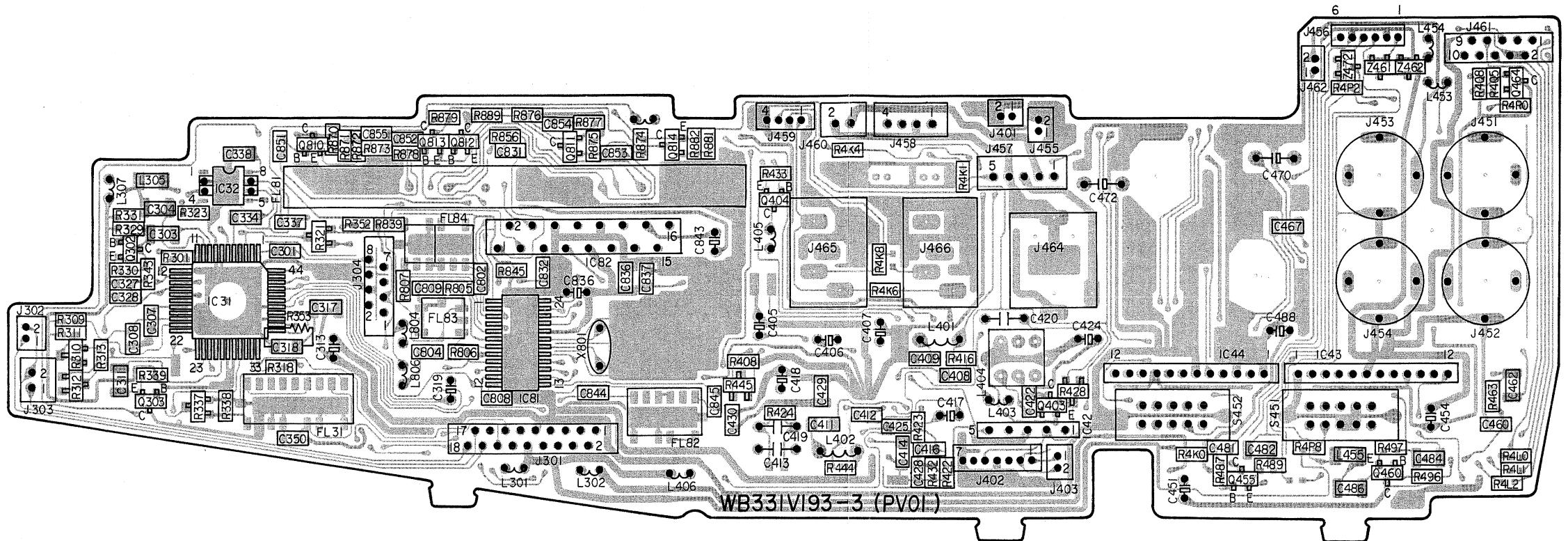
MODEL : PVR570 (PAL)
SCHEMATIC DIAGRAM (LCD-5) (BACK LIGHT/CONTROL BLOCK)



TRANSISTORS
 Q1F0 D5
 Q1F1 D5

DIODES
 D7K1 E2
 D7K2 E2

**LUMINANCE/CHROMINANCE/AUDIO, VIDEO
SELECTOR/AUDIO P. C. B DRAWING PV01**



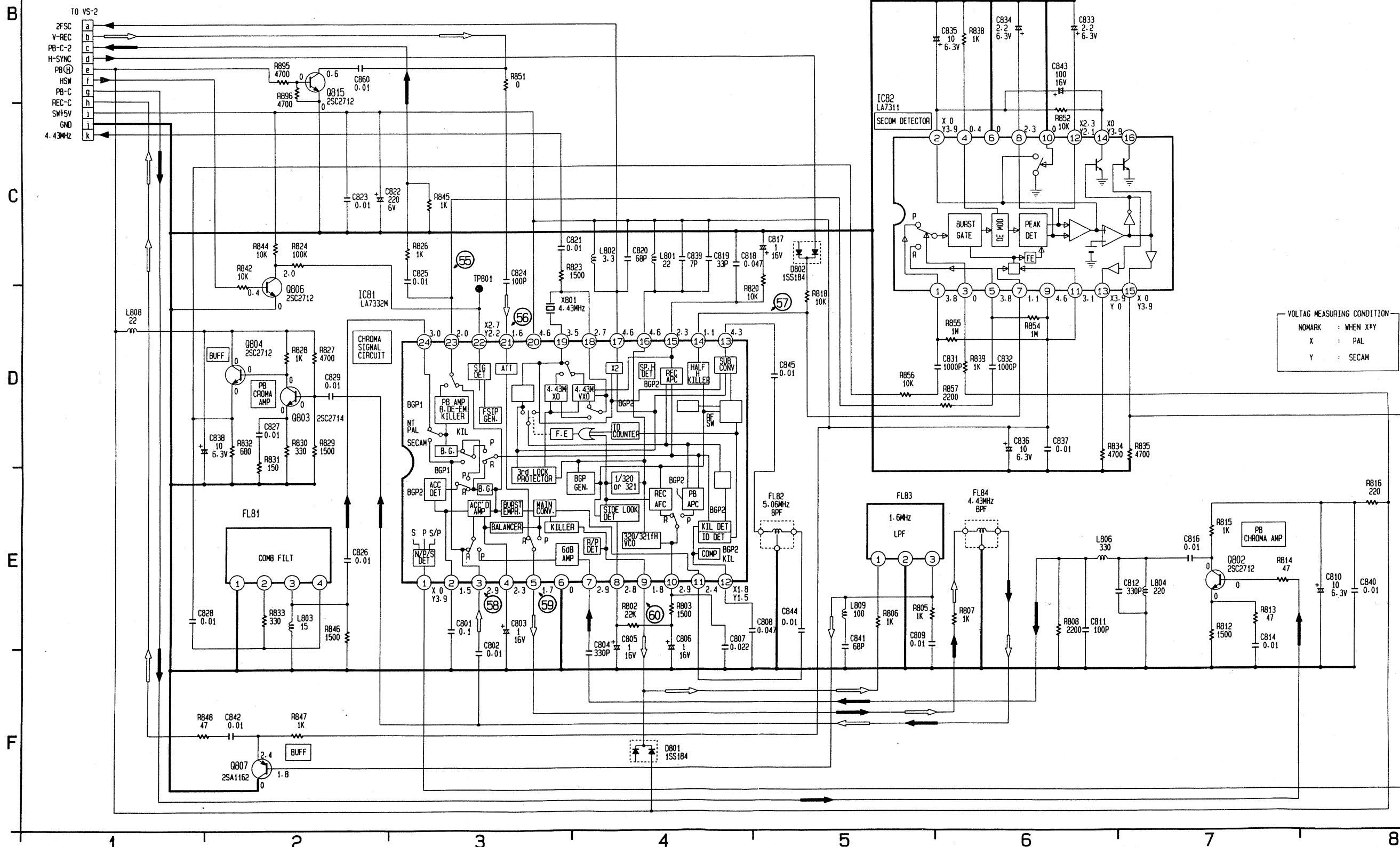
IC's		TRANSISTORS
IC31	B2	Q301 E7
IC32	B2	Q303 C1
IC41	E4	Q305 E6
IC42	C5	Q310 E6
IC43	C6	Q401 E4
IC44	C6	Q402 D4
IC81	C3	Q403 C5
IC82	B3	Q404 B4
		Q452 E1
		Q453 D2
		Q454 E3
		Q455 C6
		Q456 F2
		Q460 C7
		Q463 E2
		Q465 D1
		Q466 D4
		Q467 D4
		Q802 E6
		Q803 D5
		Q804 D5
		Q806 E5
		Q807 E6
		Q810 B2
		Q811 B3
		Q812 B3
		Q813 B3
		Q814 B4
		Q815 E6

DIODES

D301	E7
D302	E7
D303	E7
D305	E7
D401	E4
D452	D4
D801	E5
D802	E5
D805	E5
Z451	D1
Z452	D1
Z453	E1
Z454	E1
Z455	E2
Z456	E2
Z458	E2
Z459	E3
Z460	E3
Z461	A7
Z462	A7
Z468	D1
Z469	D2
Z470	D2
Z471	D2
Z472	A7

MODEL : PVR570 (PAL)
SCHEMATIC DIAGRAM (VS-1
(CHROMINANCE BLOCK)

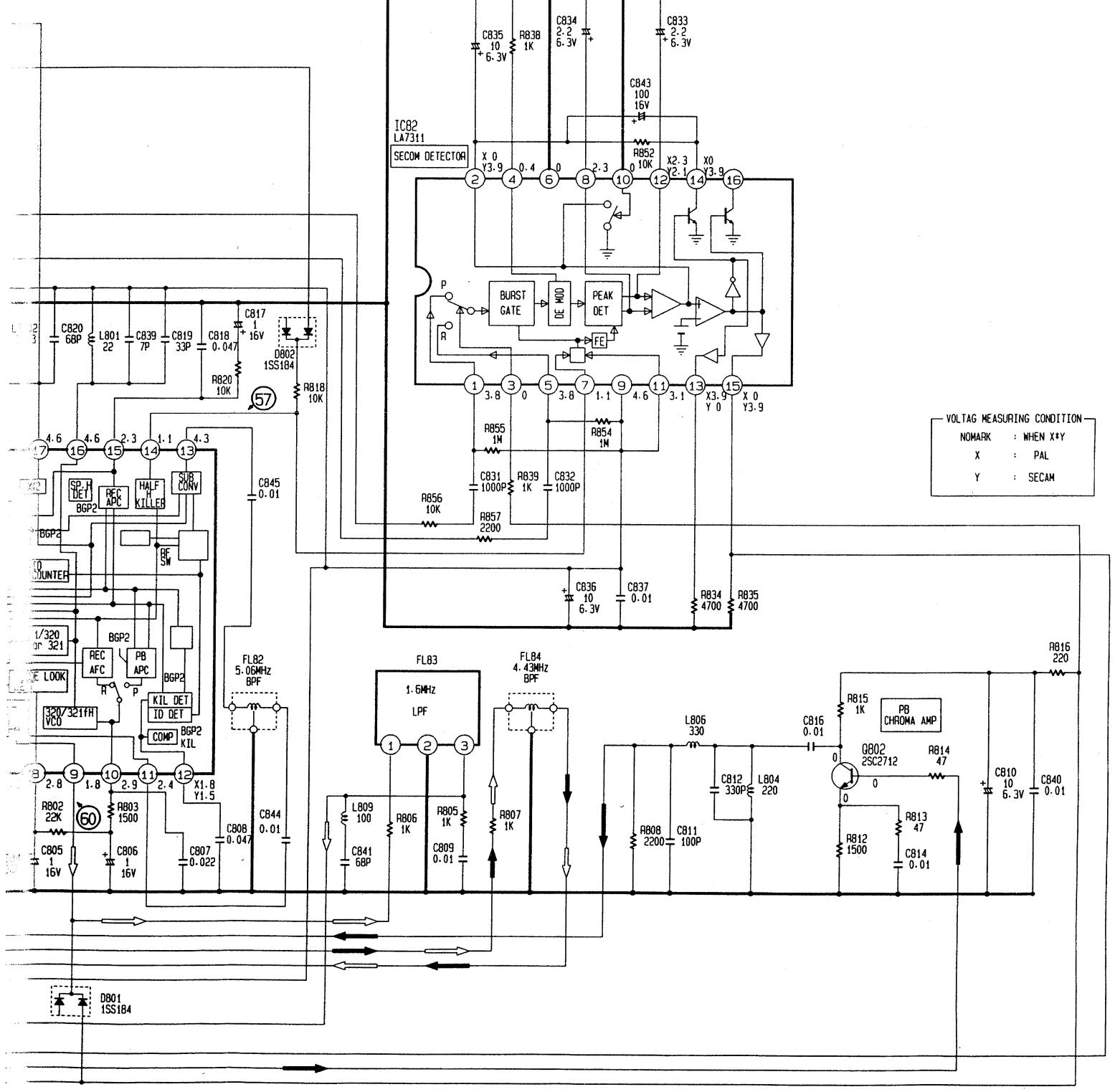
 MAIN SIGNAL PATH IN REC MODE
 MAIN SIGNAL PATH IN PB MODE



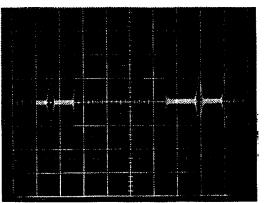
AM (VS-1)

TH IN REC MODE

TH IN PB MODE



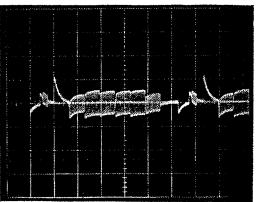
IC's
IC81 D2
IC82 C5



④ IC81 Pin23 PB SP
200mV/Div. 10μs/Div.



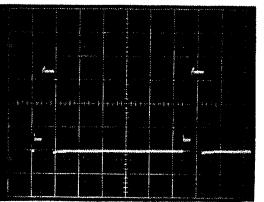
TRANSISTORS
Q802 E7
Q803 D2
Q804 D2
Q806 D2
Q807 F2
Q815 B2



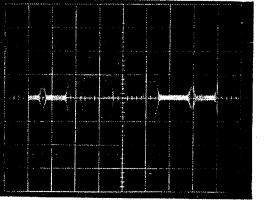
⑤ IC81 Pin21 REC SP
500mV/Div. 10μs/Div.



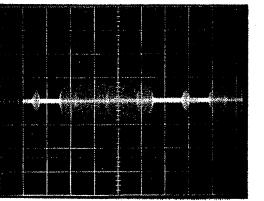
DIODES
D801 F4
D802 C5



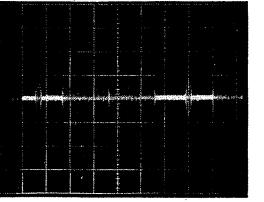
⑥ IC81 Pin14 REC SP
1V/Div. 10μs/Div.



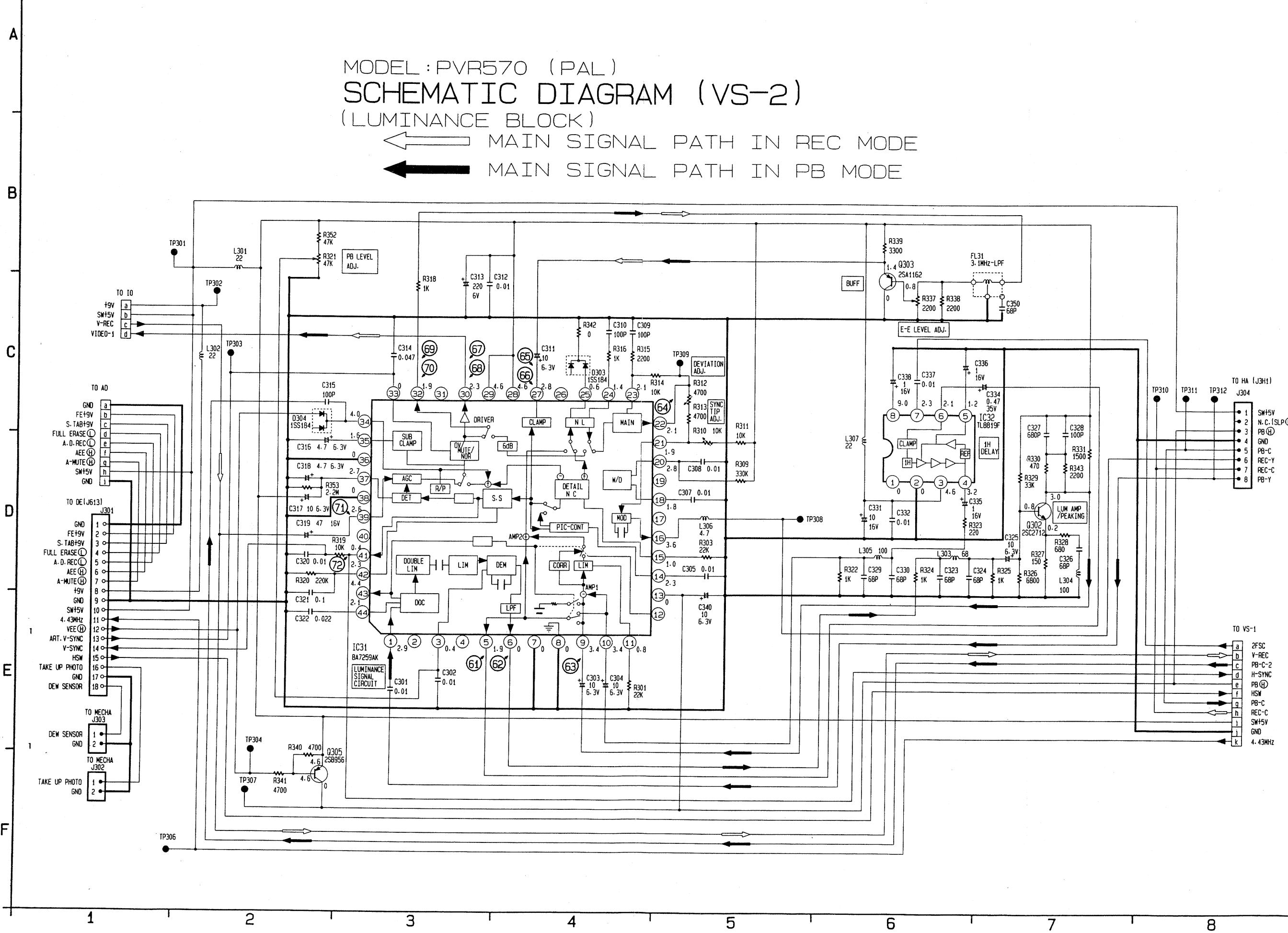
⑦ IC81 Pin3 PB SP
100mV/Div. 10μs/Div.



⑧ IC81 Pin5 PB SP
500mV/Div. 10μs/Div.



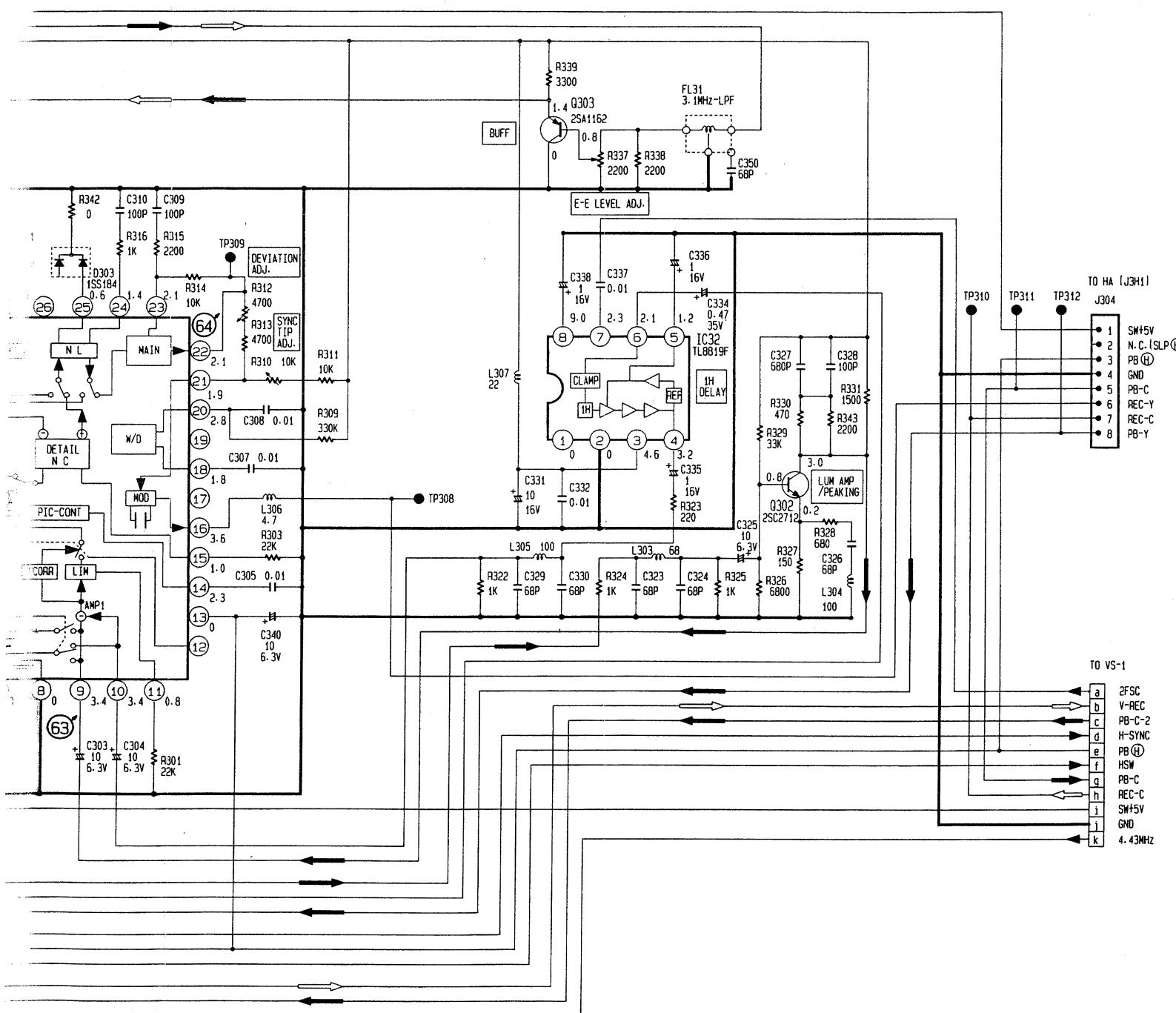
⑨ IC81 Pin9 REC SP
200mV/Div. 10μs/Div.



PAL)
DIAGRAM (VS-2)

SIGNAL PATH IN REC MODE

SIGNAL PATH IN PB MODE

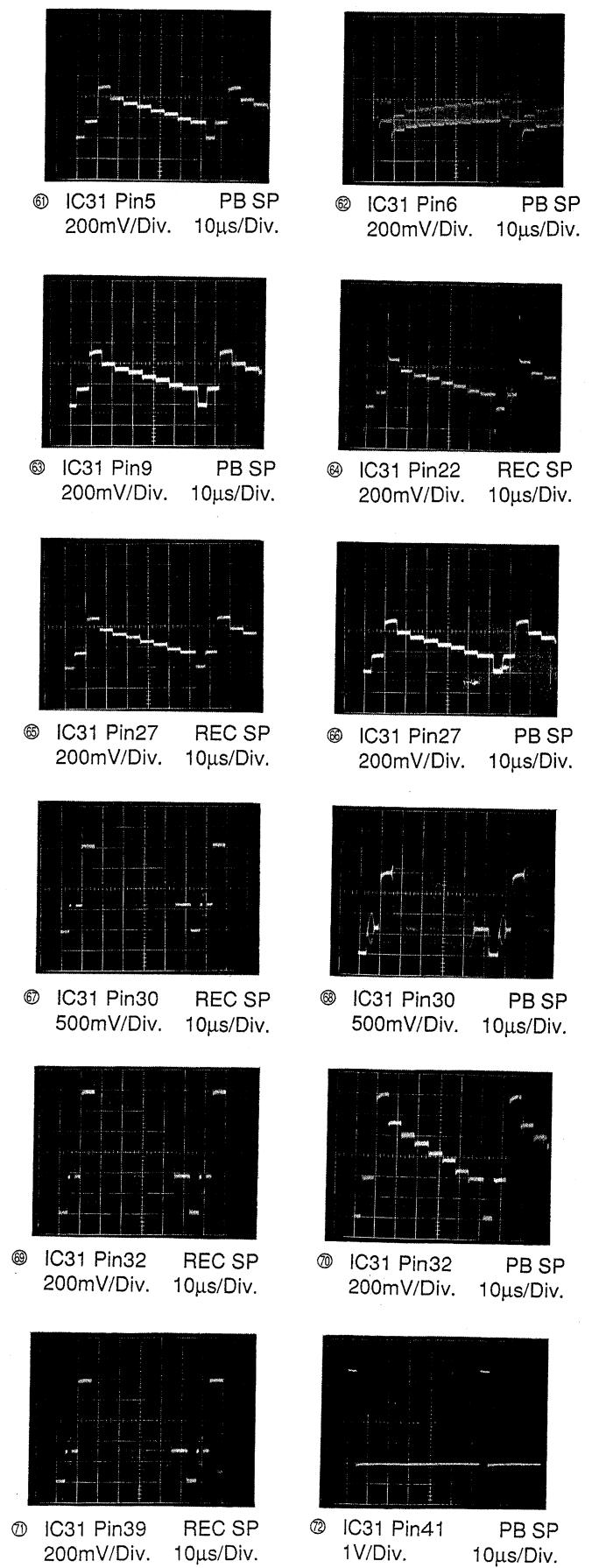


IC's
IC31 E3
IC32 C6

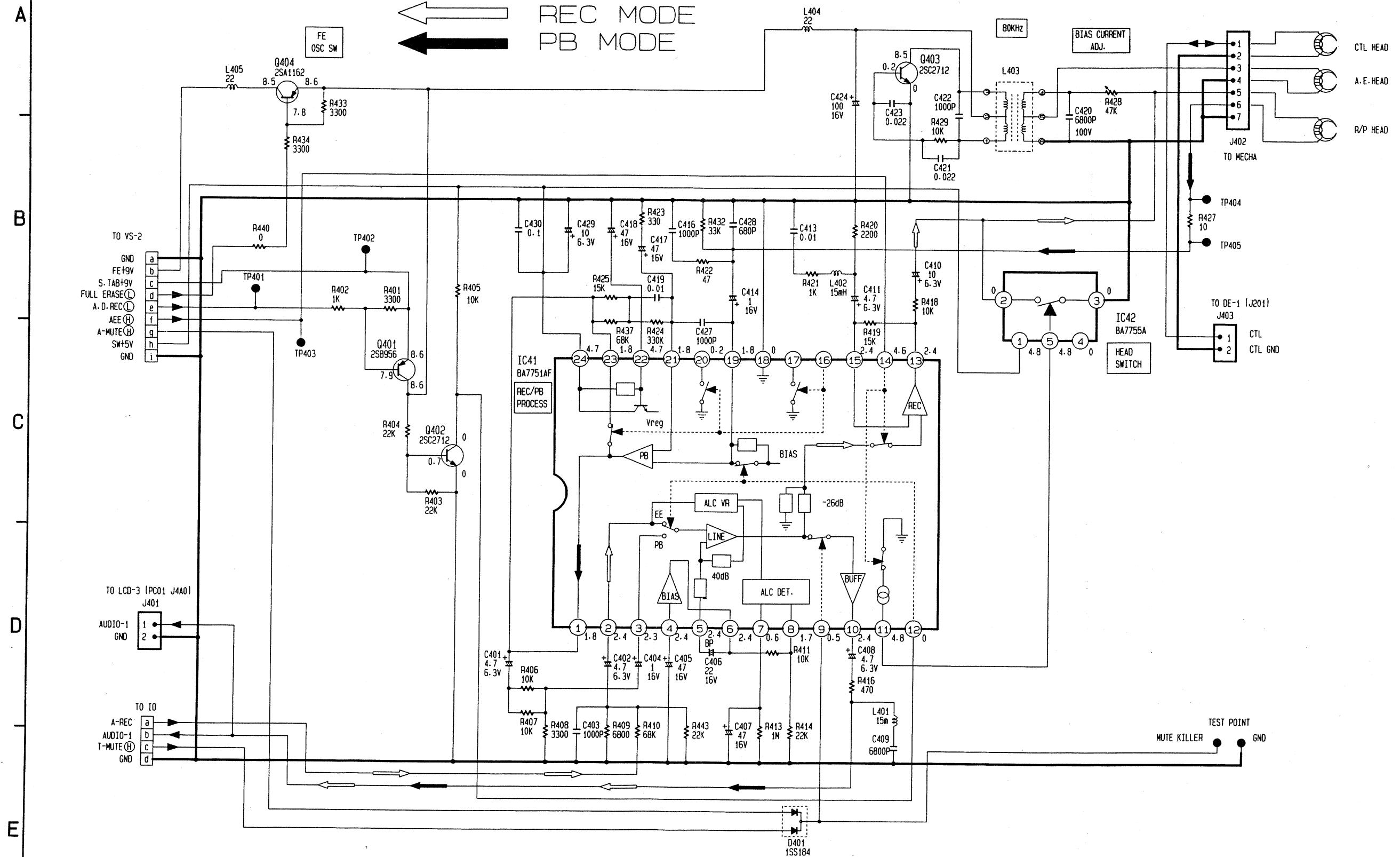
TRANSISTORS
Q302 D7
Q303 B6
Q305 E2

DIODES
D303 C4
D304 C2

TEST POINT
TP301 B1
TP302 B2
TP303 C2
TP304 E2
TP306 F1
TP307 E2
TP308 D5
TP309 C5
TP310 C8
TP311 C8
TP312 C8



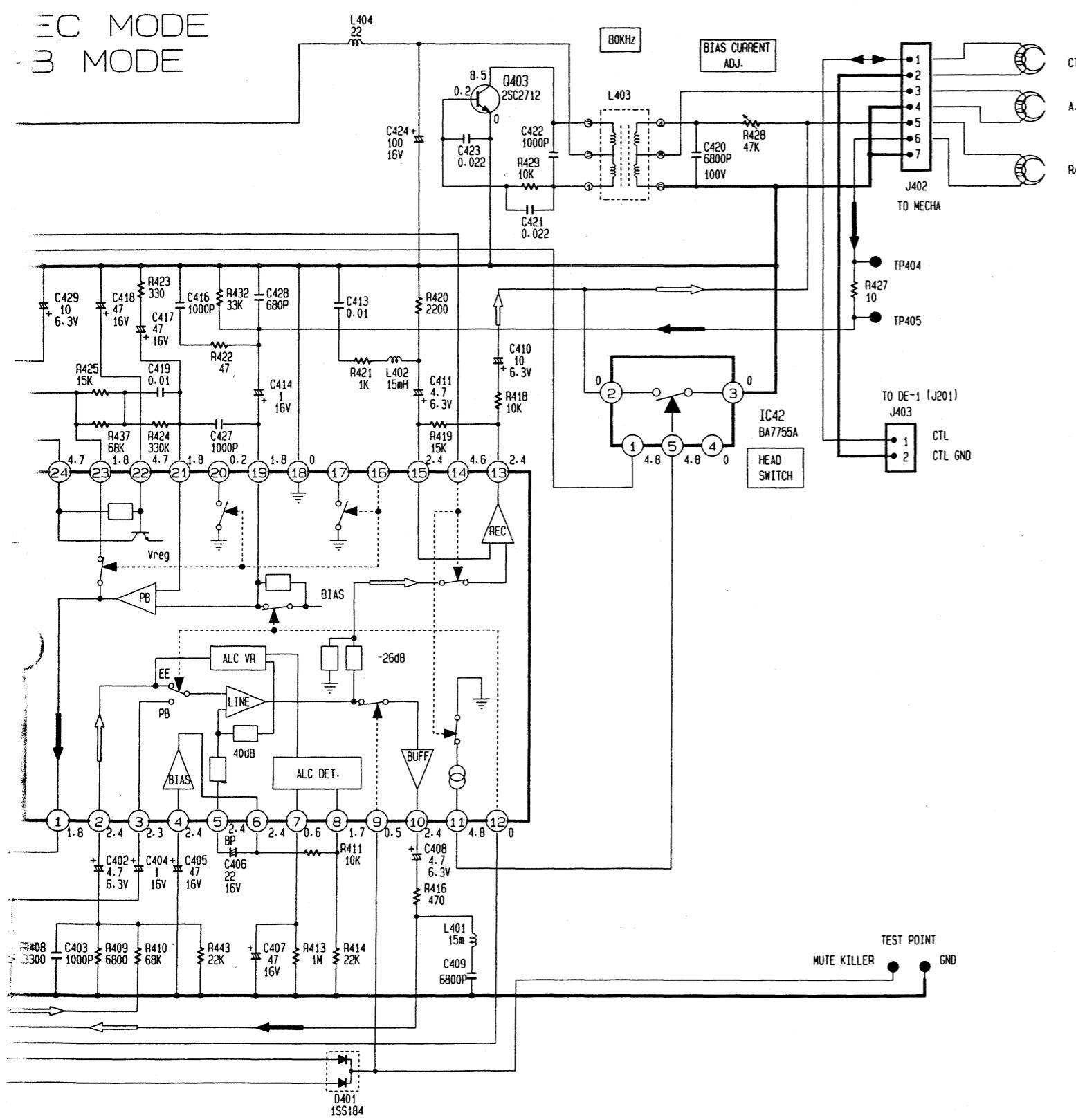
MODEL : PVR570 (PAL)
SCHEMATIC DIAGRAM (AD)
(NORMAL AUDIO BLOCK)



1 2 3 4 5 6 7

AL)
AGRAM (AD)
OCK)

EC MODE
B MODE



IC's
IC41 C3
IC42 B6



TRANSISTORS
Q401 C2
Q402 C3
Q403 A5
Q404 A2



DIODE
D401 E4



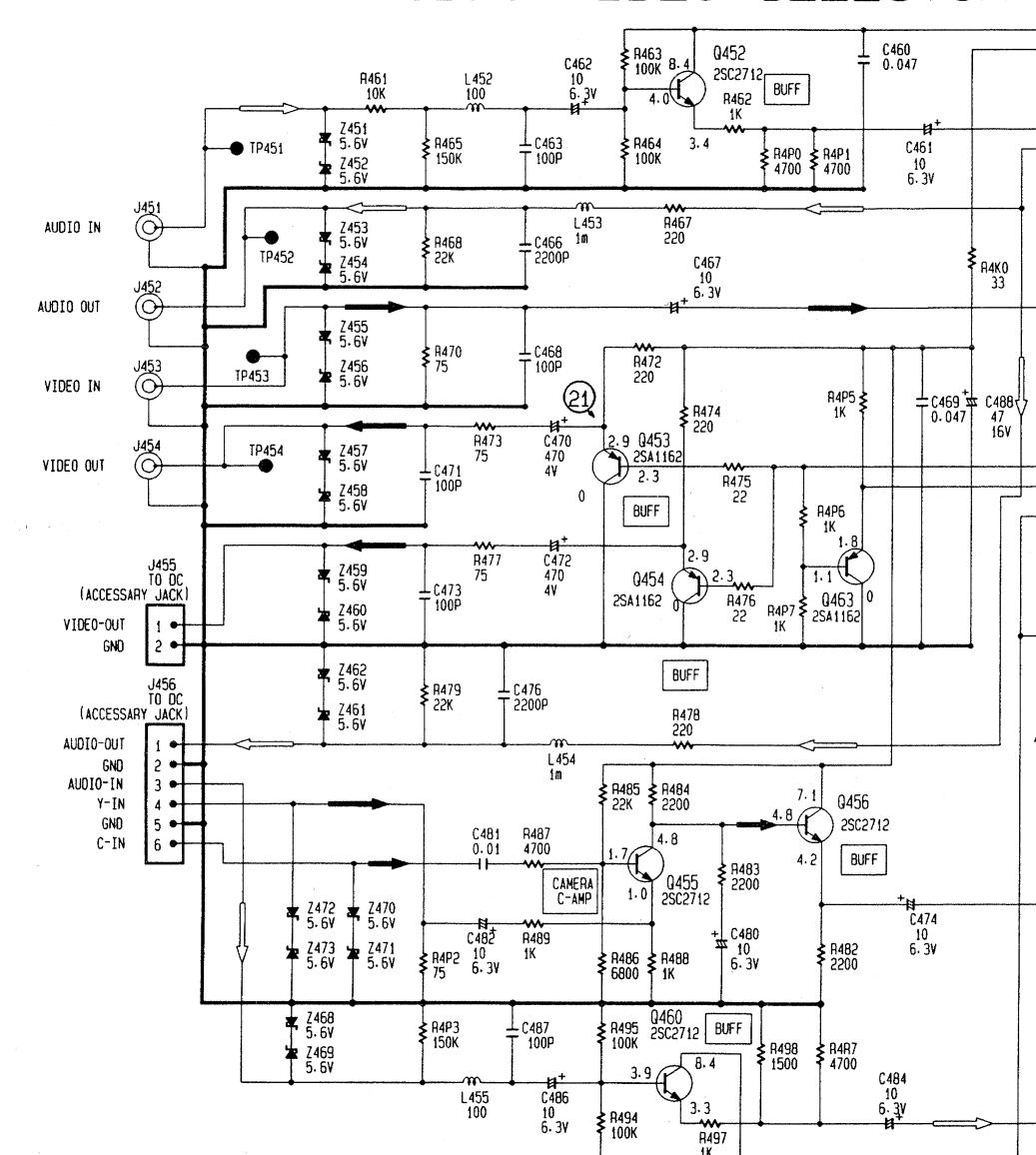
TEST POINTS
TP401 B2
TP402 B2
TP403 C2
TP404 B6
TP405 B6

A

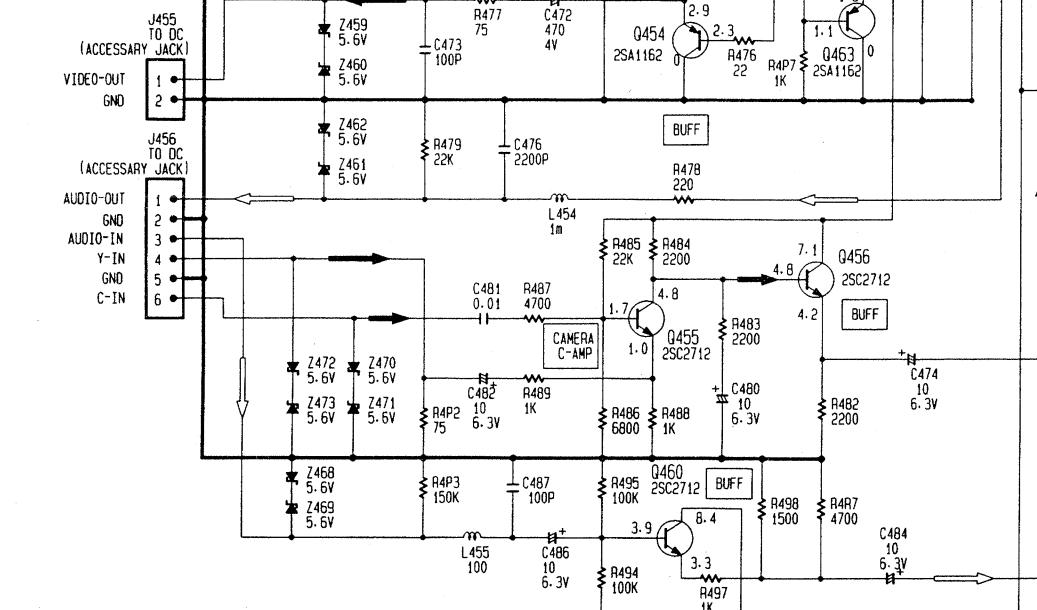
MODEL : PVR570 (PAL)
SCHEMATIC DIAGRAM (IO)
 (AUDIO/VIDEO SELECTOR BLOCK)

(PVO1)

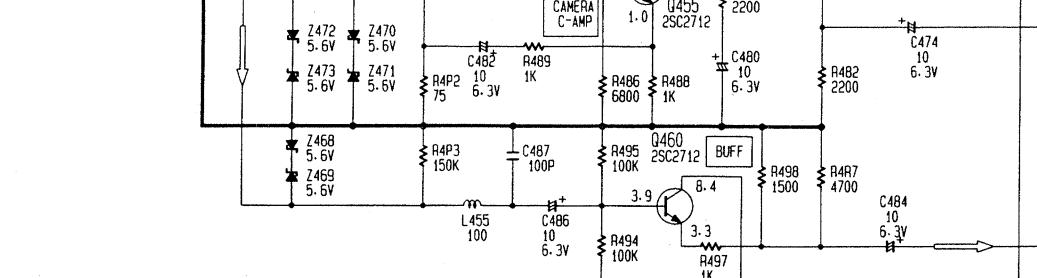
B



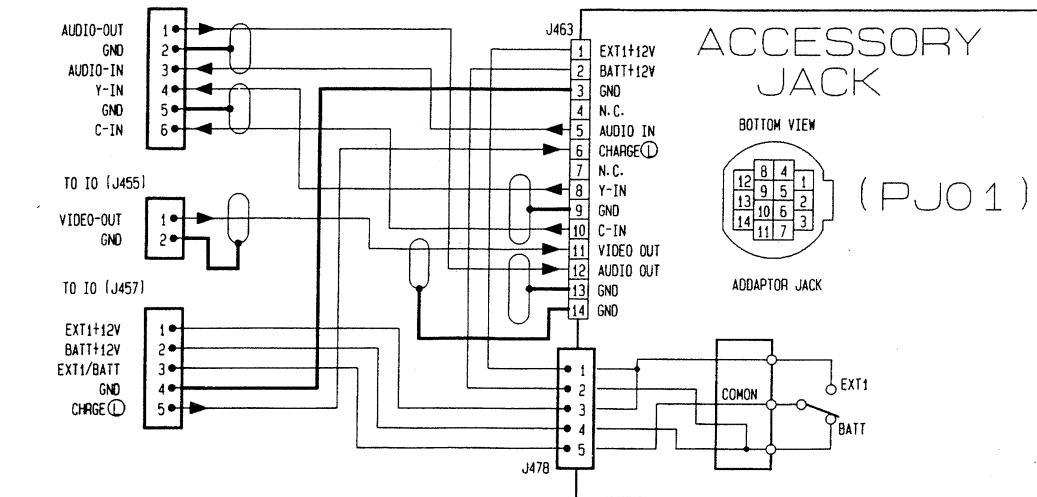
C



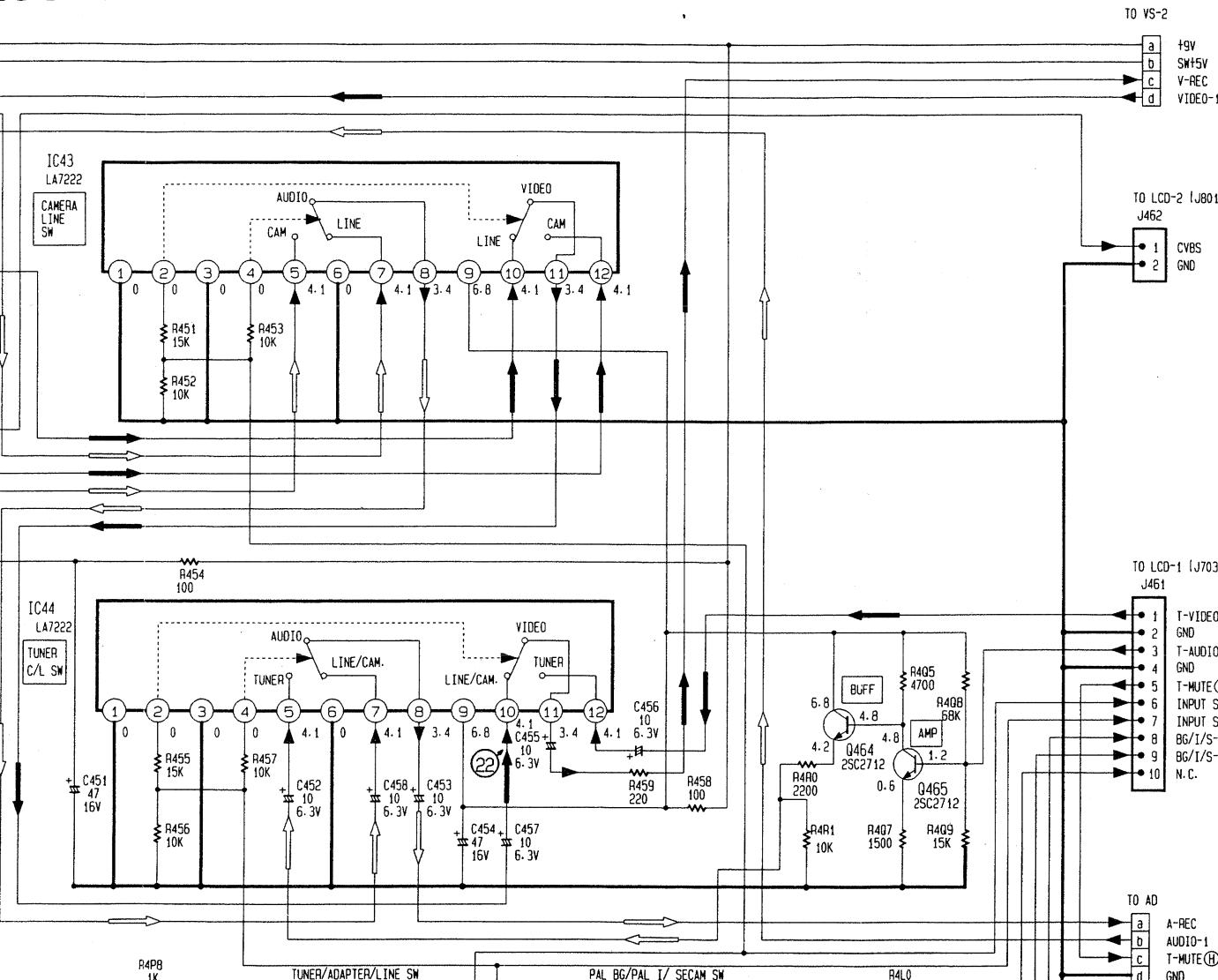
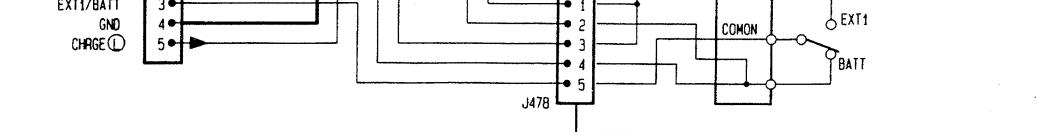
D



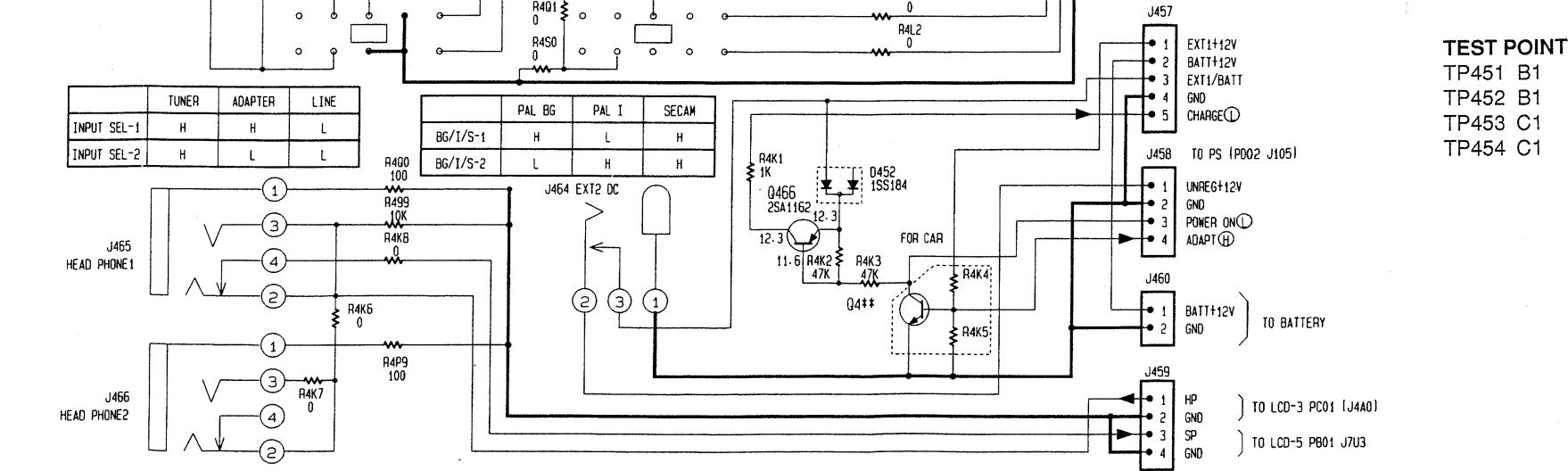
E

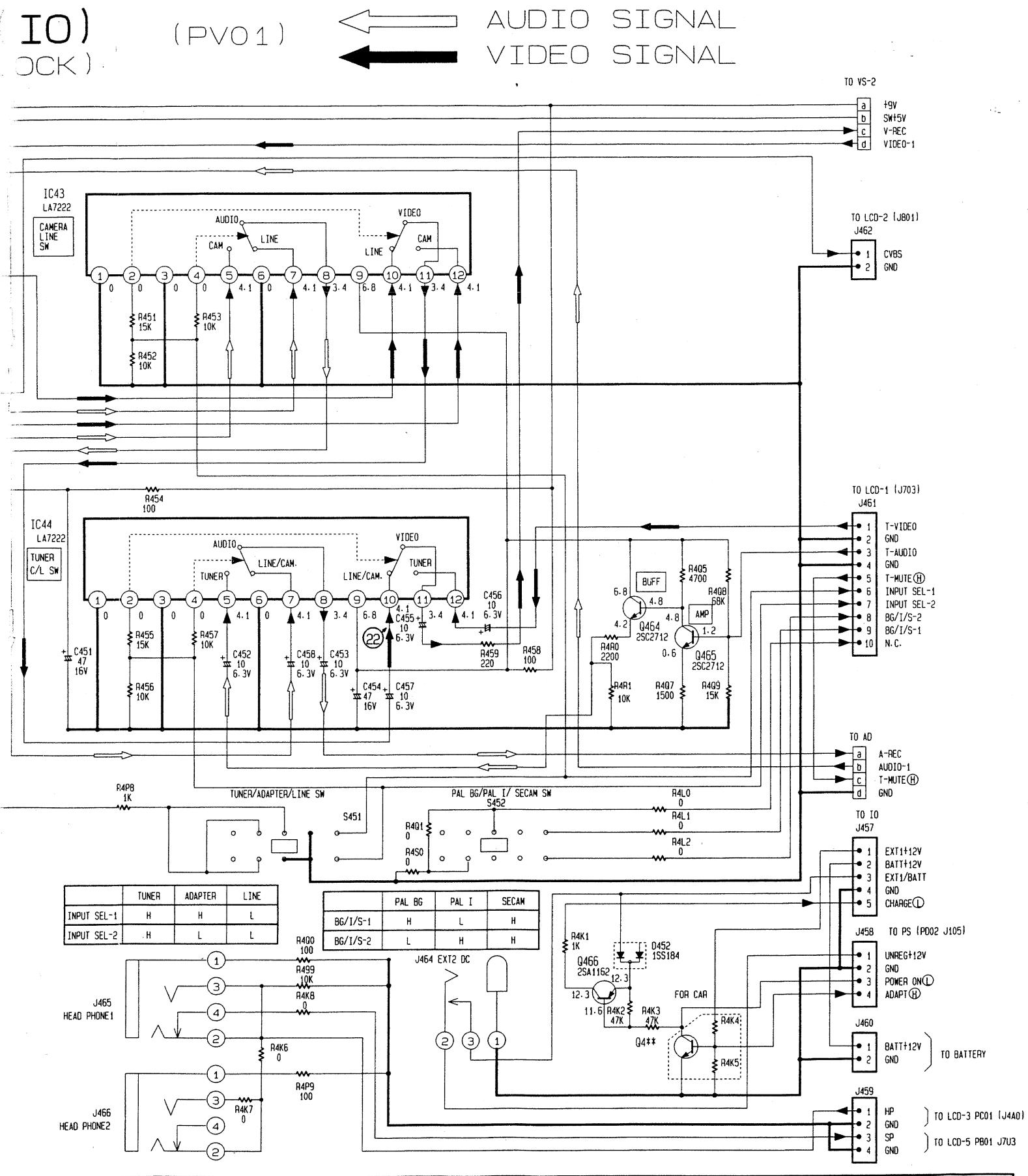


F



TEST POINT

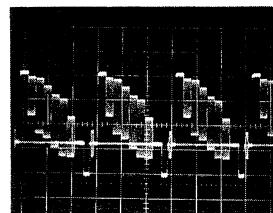




IC's
 IC43 B4
 IC44 C4

TRANSISTORS

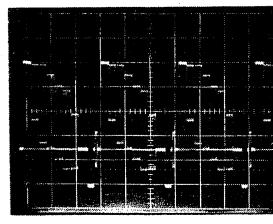
Q452 B3
 Q453 C2
 Q454 C3
 Q455 D3
 Q456 D3
 Q460 D3
 Q463 C3
 Q464 D7
 Q465 D7
 Q466 F7



(21) Q453 Emitter
500mV/Div. 20μs/Div.



D452 F7
 Z451 B2
 Z452 B2
 Z453 B2
 Z454 B2
 Z455 B2
 Z456 C2
 Z457 C2
 Z458 C2
 Z459 C2
 Z460 C2
 Z461 D2
 Z462 C2
 Z468 D2
 Z469 E2
 Z470 D2
 Z471 D2
 Z472 D2
 Z473 D2



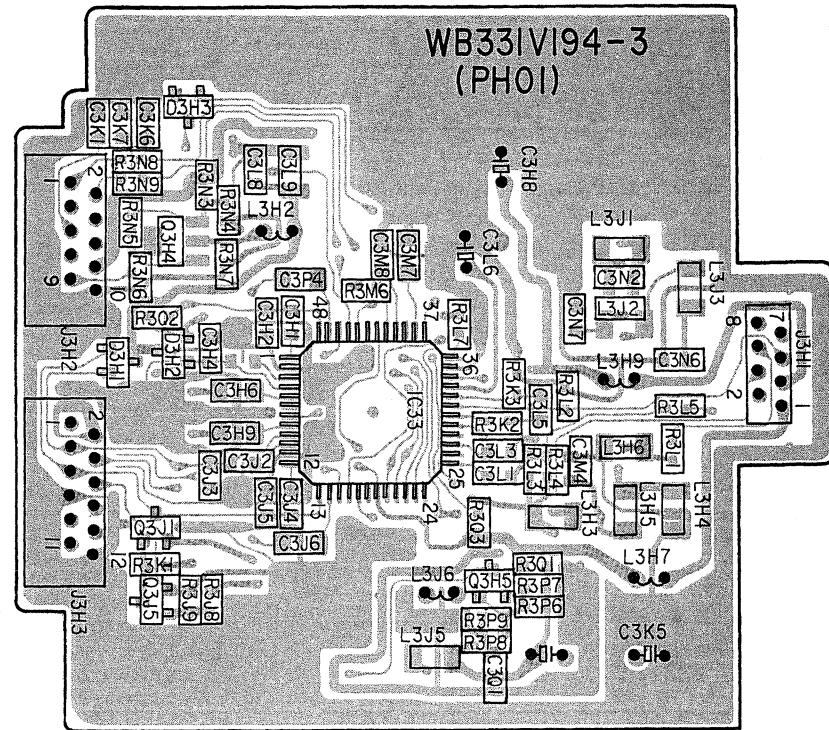
(22) IC44 Pin 10
20μs/Div. 200mV/Div.

TEST POINT

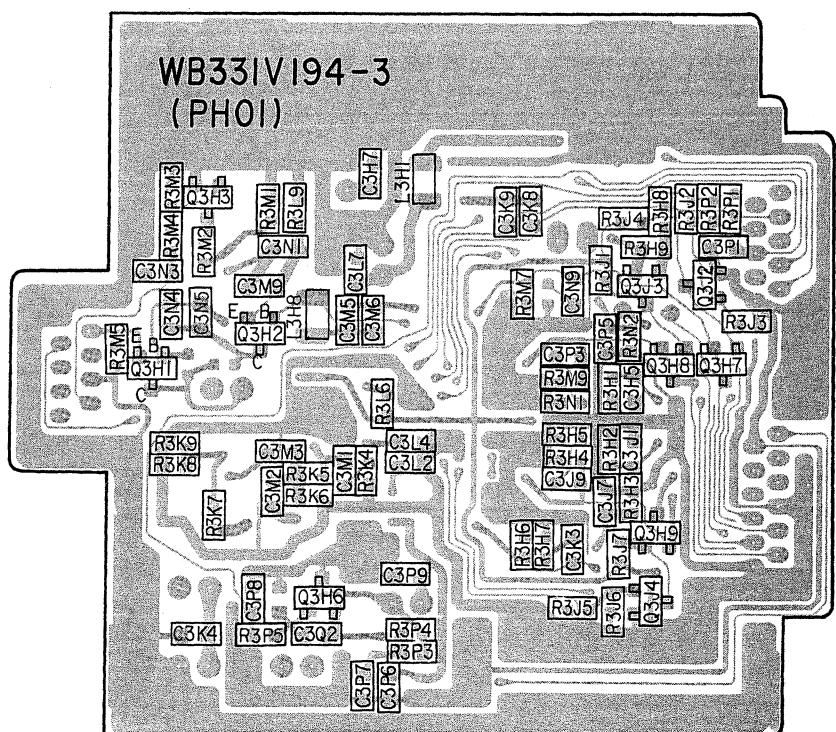
TP451 B1
 TP452 B1
 TP453 C1
 TP454 C1

HEAD AMP P. C. B DRAWING PH01

A



B



C

IC
IC33 B2

TRANSISTORS

Q3H4 B2
Q3H5 C3
Q3J1 C2
Q3J5 C2

DIODES

D3H1 B1
D3H2 B2
D3H3 B2

TRANSISTORS

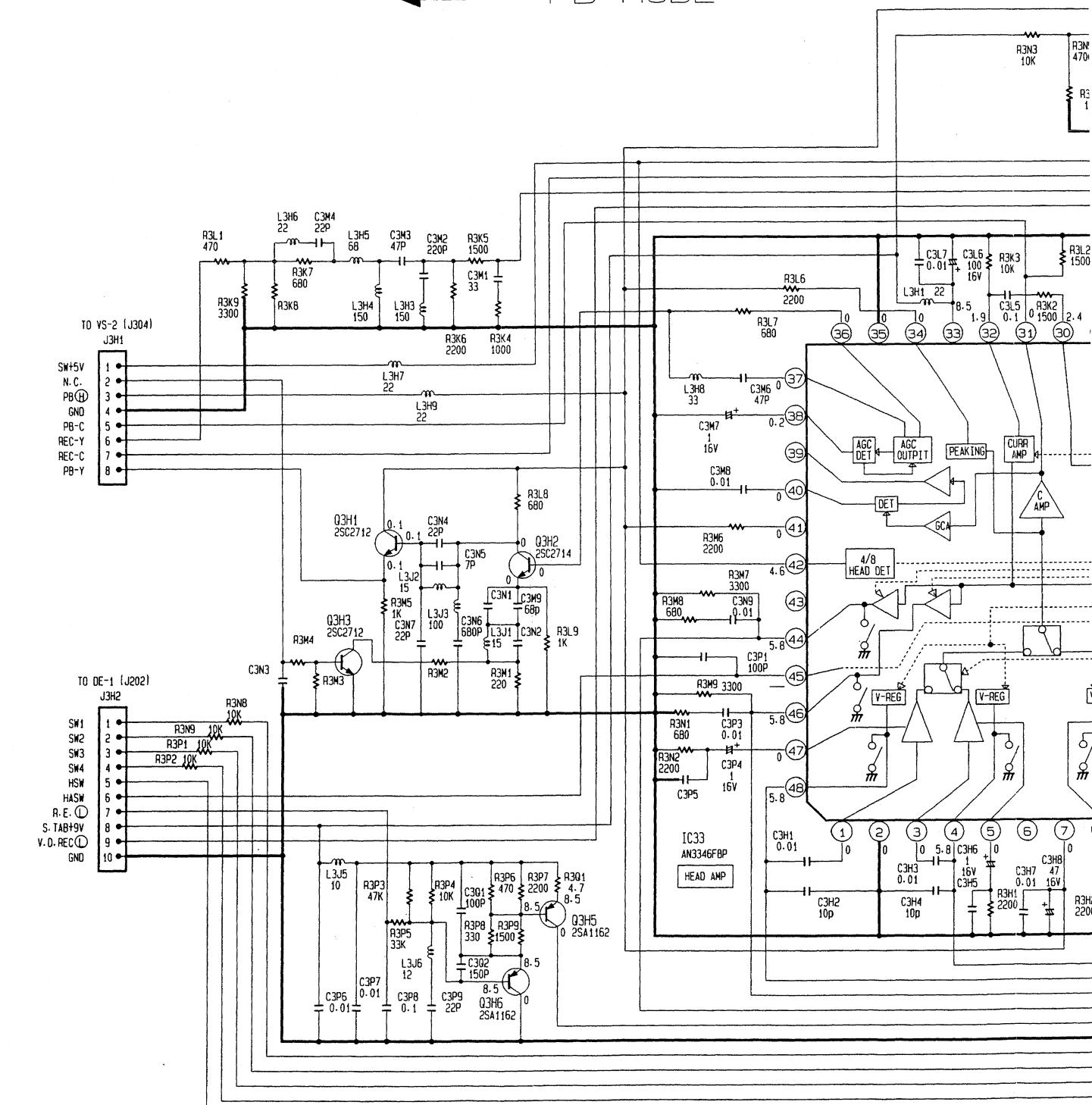
Q3H1 E2
Q3H2 E2
Q3H3 D2
Q3H6 F2
Q3H7 E3
Q3H8 E3
Q3H9 E3
Q3J2 E3
Q3J3 E3
Q3J4 F3

MODEL : PVR570 (PAL)

SCHEMATIC DIAGRAM (HA)

(HEAD AMP BLOCK)

REC MODE
PB MODE



1

2

3

4

1

2

3

4

MODEL : PVR570 (PAL)
SCHEMATIC DIAGRAM (HA)
(HEAD AMP BLOCK)

REC MODE
PB MODE

A

B

C

D

E

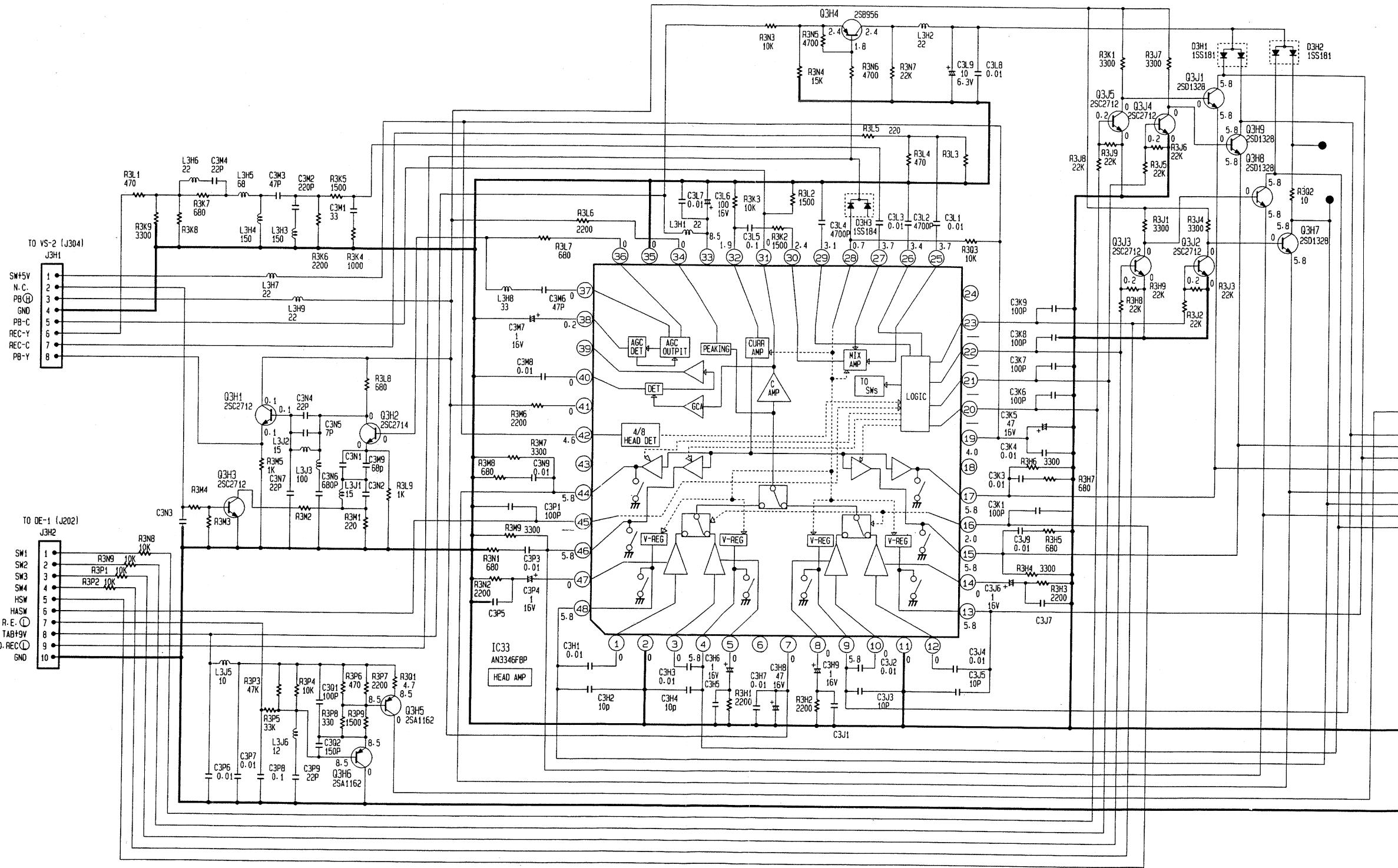
F

IC
IC33 B2

TRANSISTORS
Q3H4 B2
Q3H5 C3
Q3J1 C2
Q3J5 C2

DIODES
D3H1 B1
D3H2 B2
D3H3 B2

TRANSISTORS
Q3H1 E2
Q3H2 E2
Q3H3 D2
Q3H6 F2
Q3H7 E3
Q3H8 E3
Q3H9 E3
Q3J2 E3
Q3J3 E3
Q3J4 F3



IC
IC33 E3

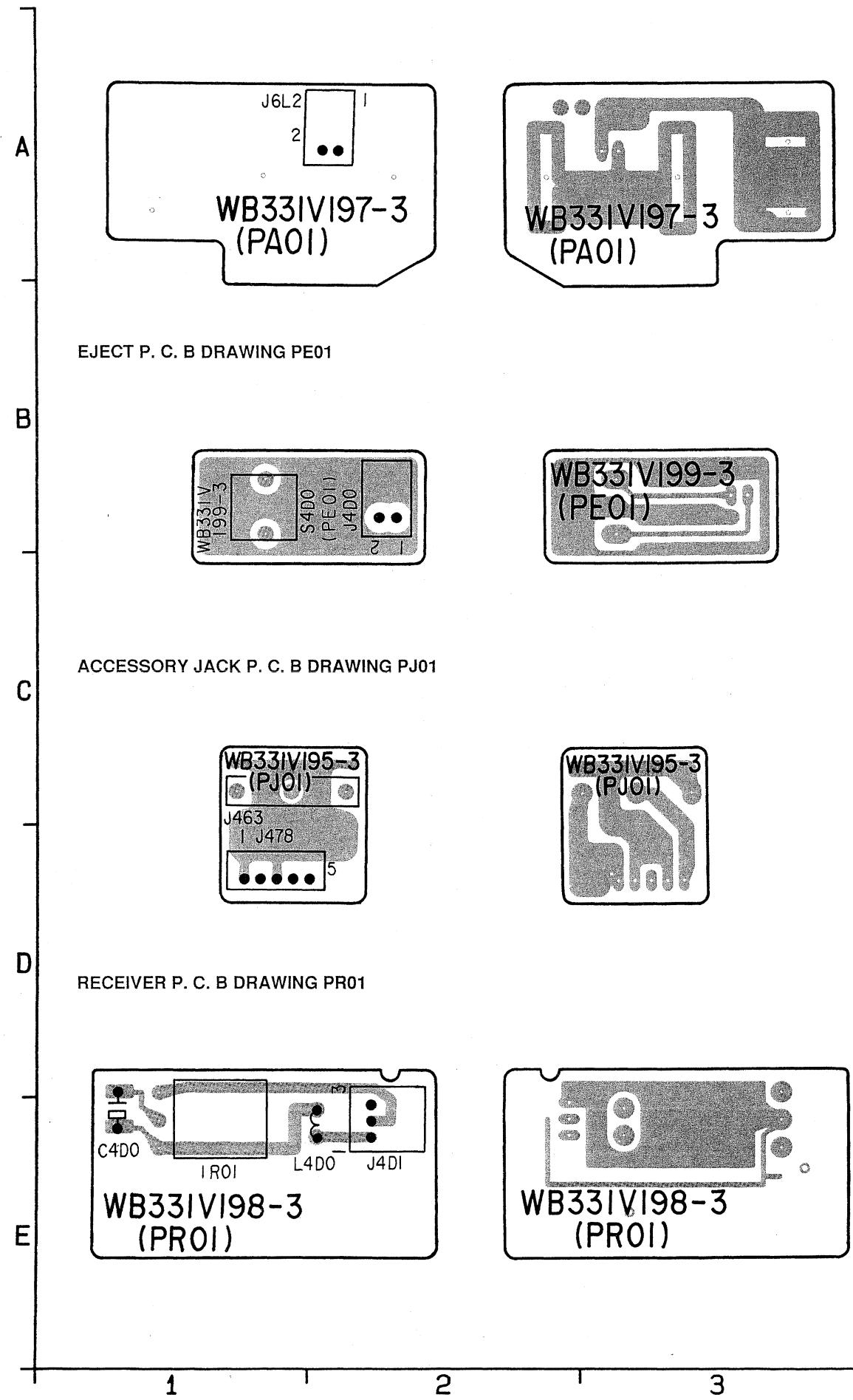
TRANSISTORS
Q3H1 D2
Q3H2 D3
Q3H3 D2
Q3H4 B5
Q3H5 F3
Q3H6 F3
Q3H7 C7
Q3H8 C7
Q3H9 C7

Q3J1 B7
Q3J2 C7
Q3J3 C6
Q3J4 B7
Q3J5 B6

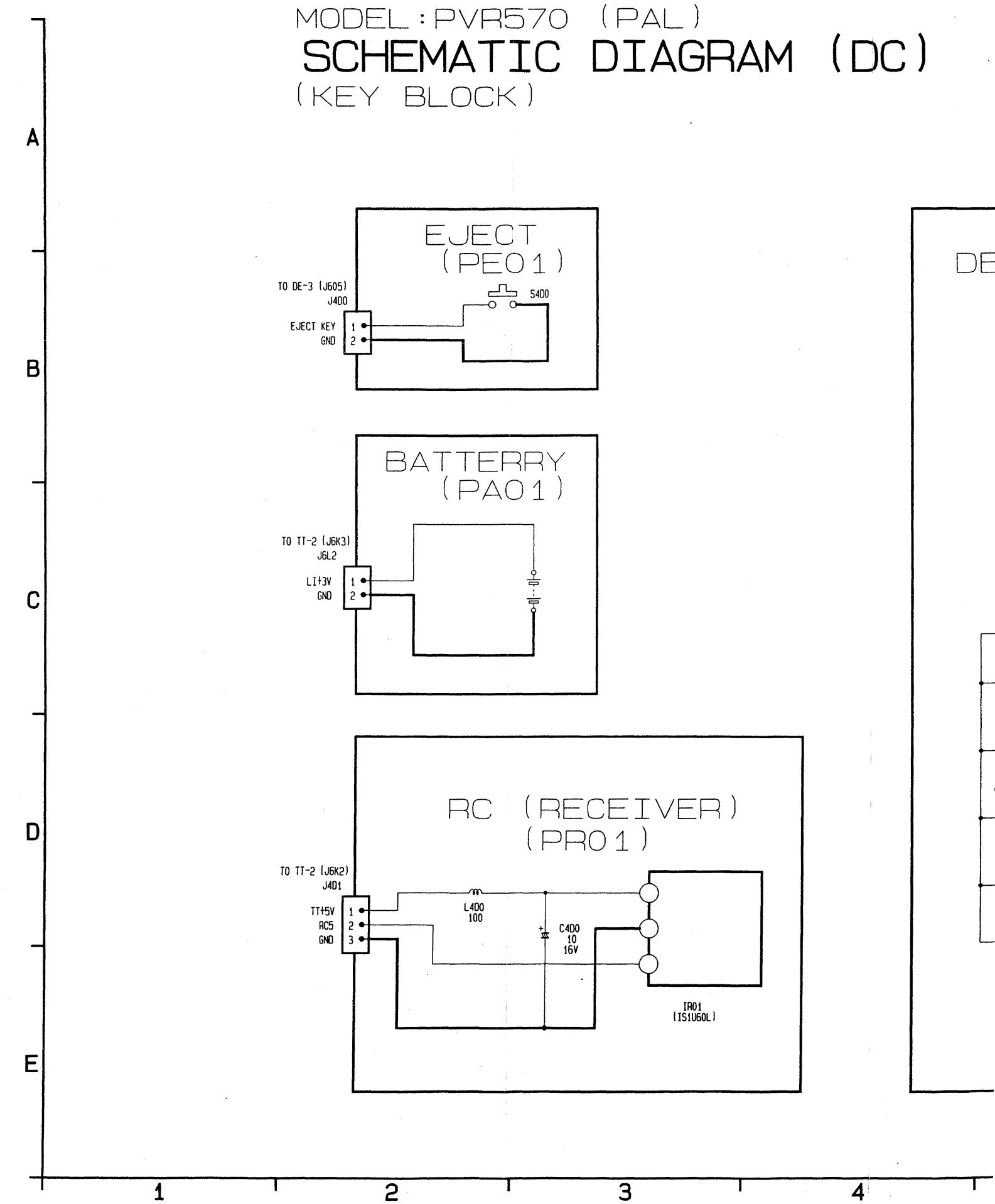
DIODES
D3H1 B7
D3H2 B7
D3H3 C5

TO MECHA
J3H3
1 RE(S)
2 GND
3 L1/S/CH2
4 L1/S/CH2
5 R1/F/CH1
6 R1/F/CH1
7 GND
8 L2/S/CH4
9 L2/S/CH4
10 R2/S/CH3
11 R2/S/CH3
12 GND

BATTERY P. C. B DRAWING PA01

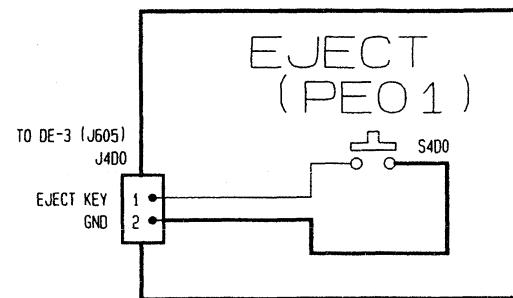


MODEL : PVR570 (PAL)
SCHEMATIC DIAGRAM (DC)
 (KEY BLOCK)

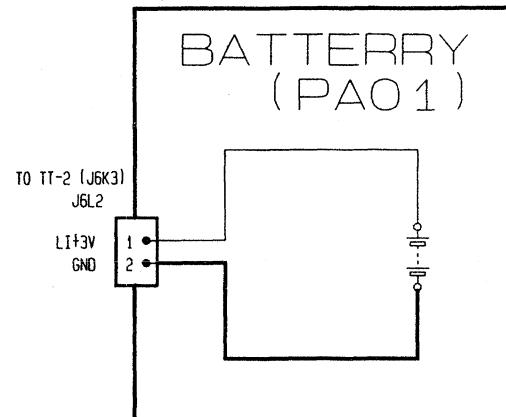


MODEL : PVR570 (PAL)
SCHEMATIC DIAGRAM (DC)
 (KEY BLOCK)

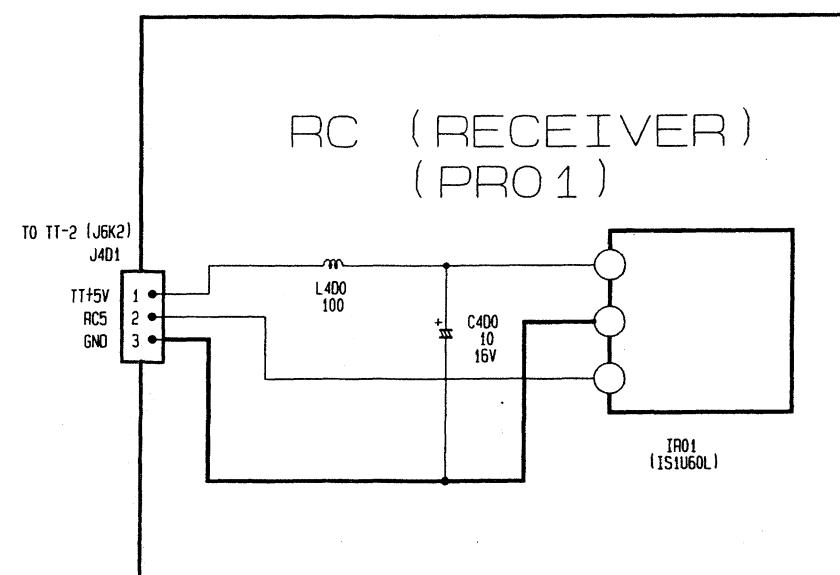
A



B

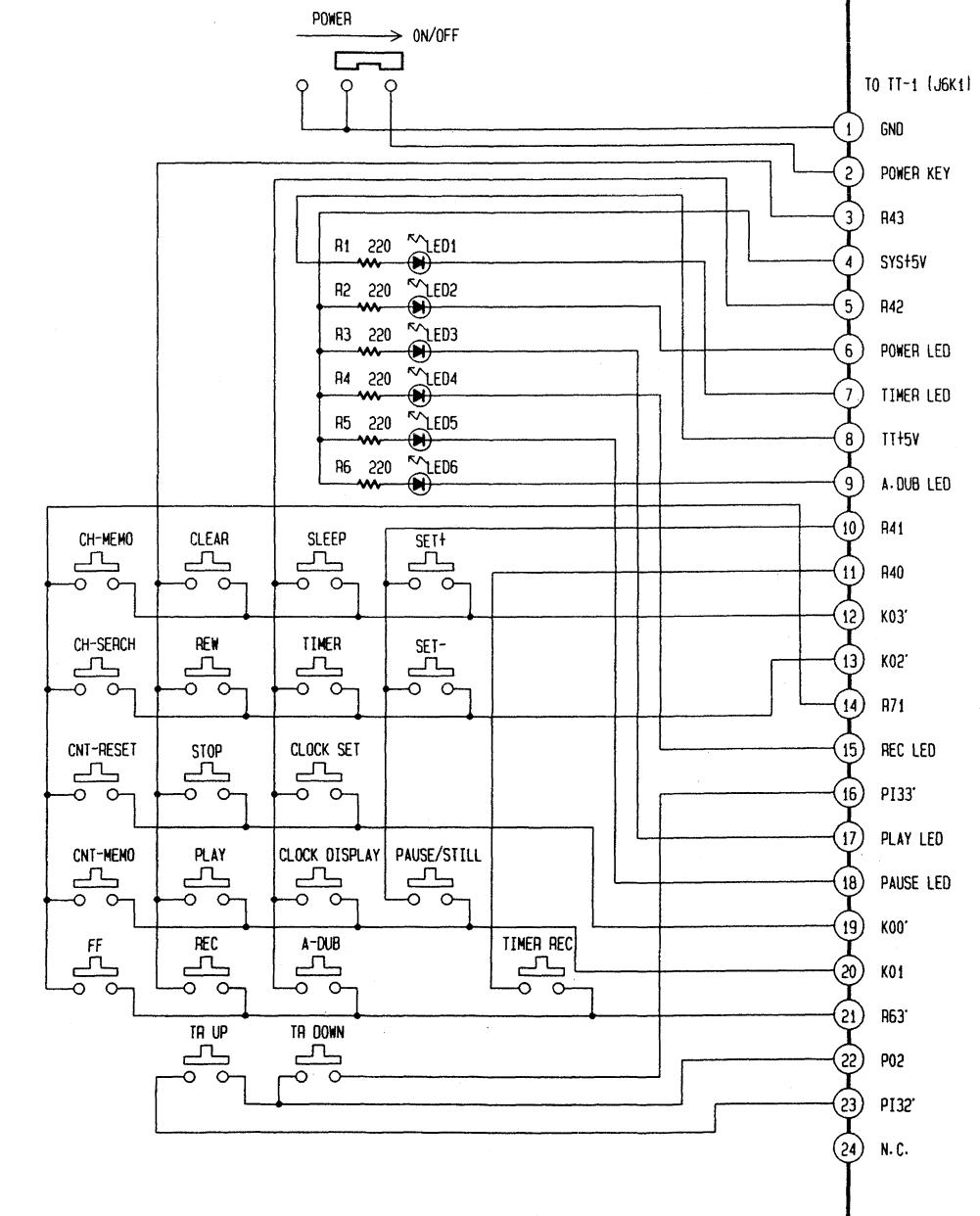


C



E

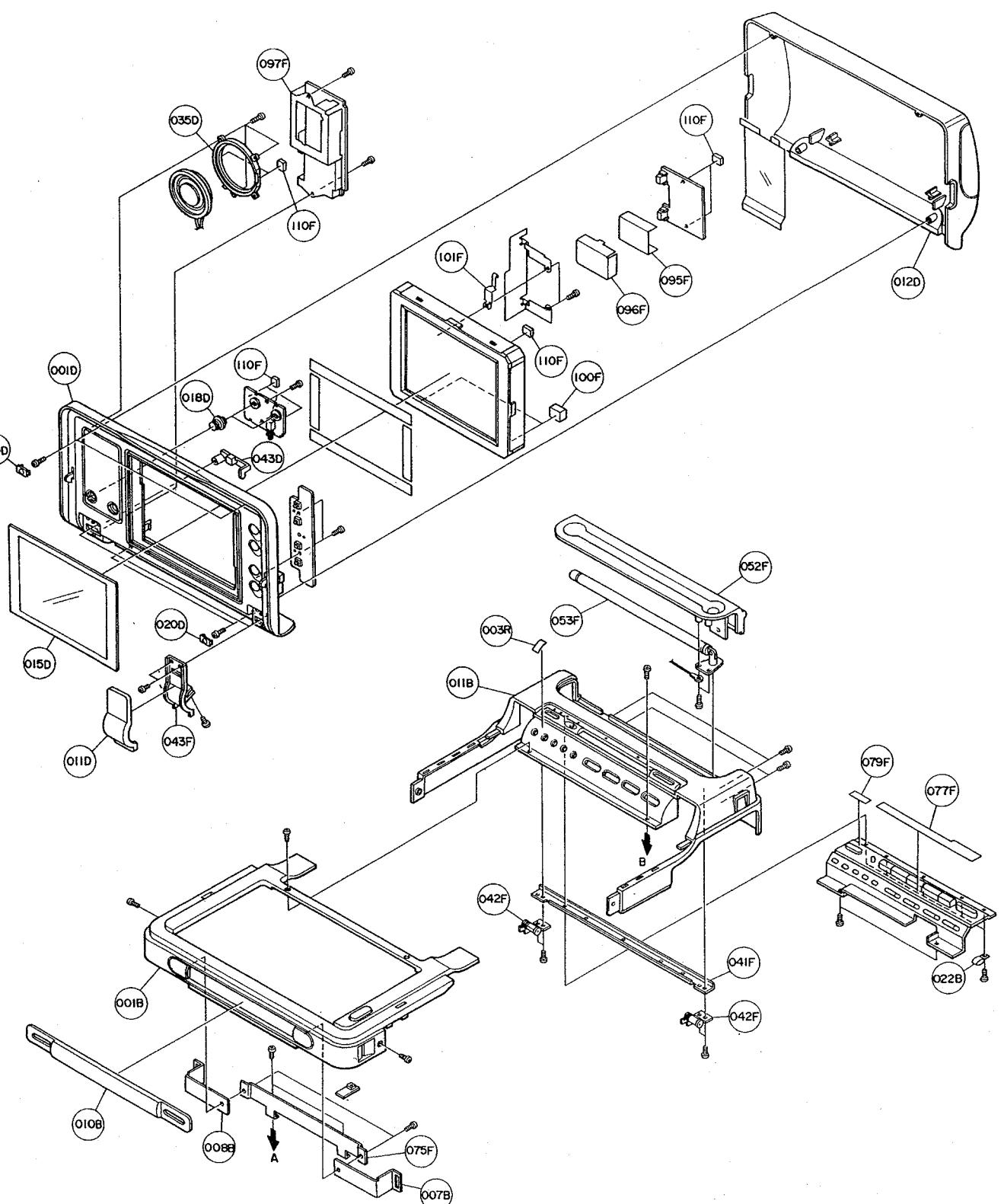
DECK CONTROL



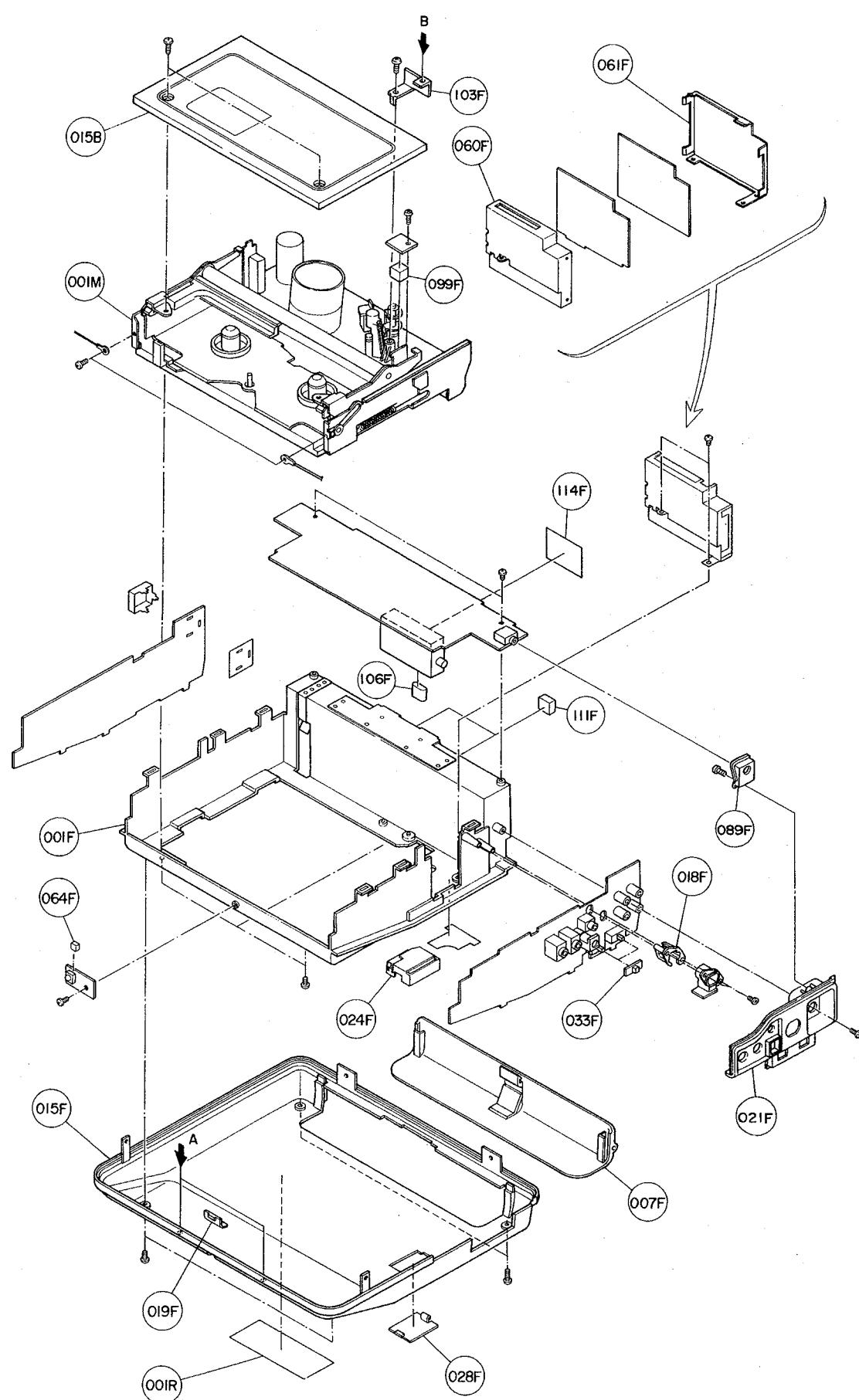
LED'S
 LED1 B6
 LED2 C6
 LED3 C6
 LED4 C6
 LED5 C6
 LED6 C6

1 2 3 4 5 6 7

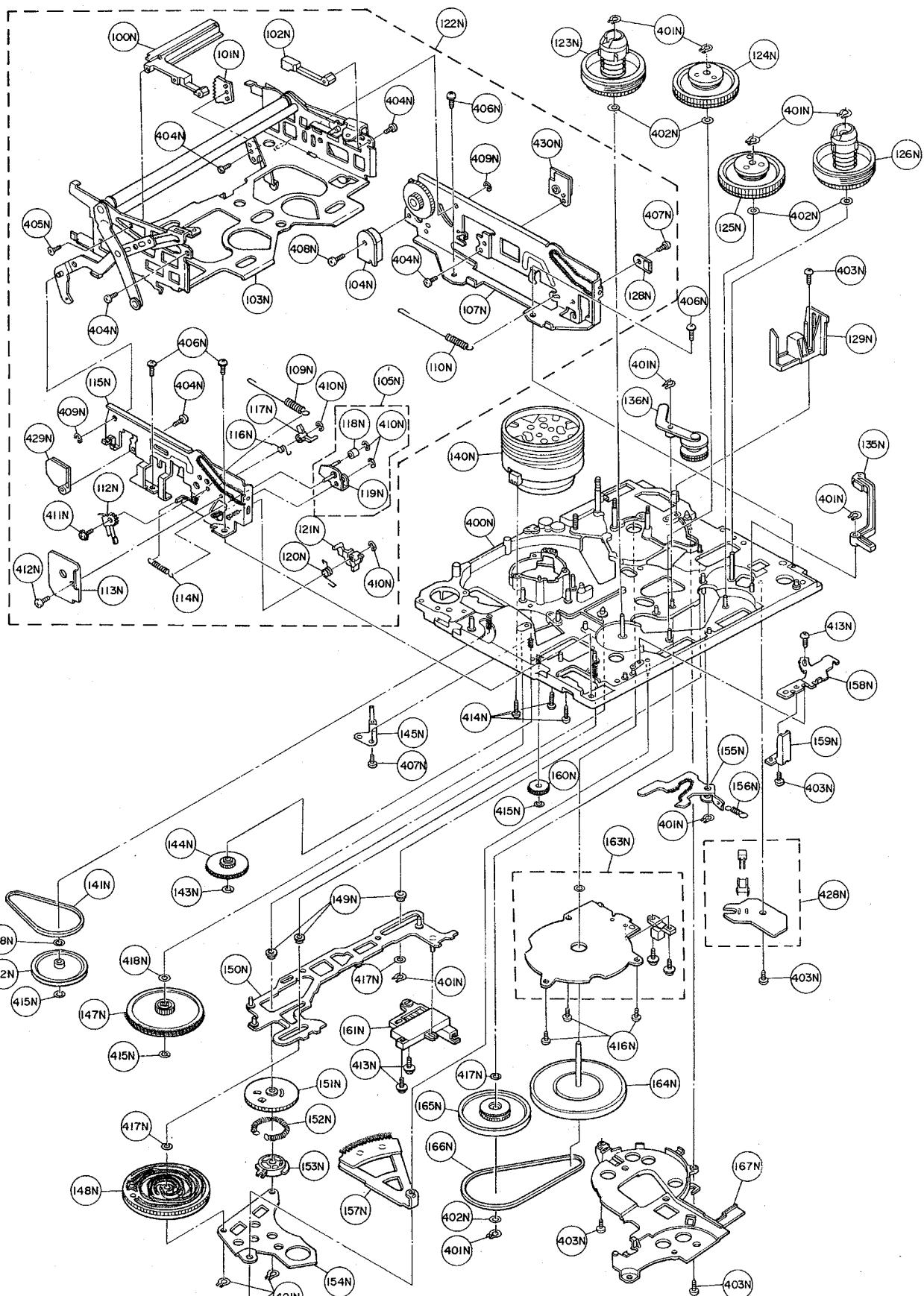
CABINET EXPLODED VIEW (TOP)



CABINET EXPLODED VIEW (BOTTOM)



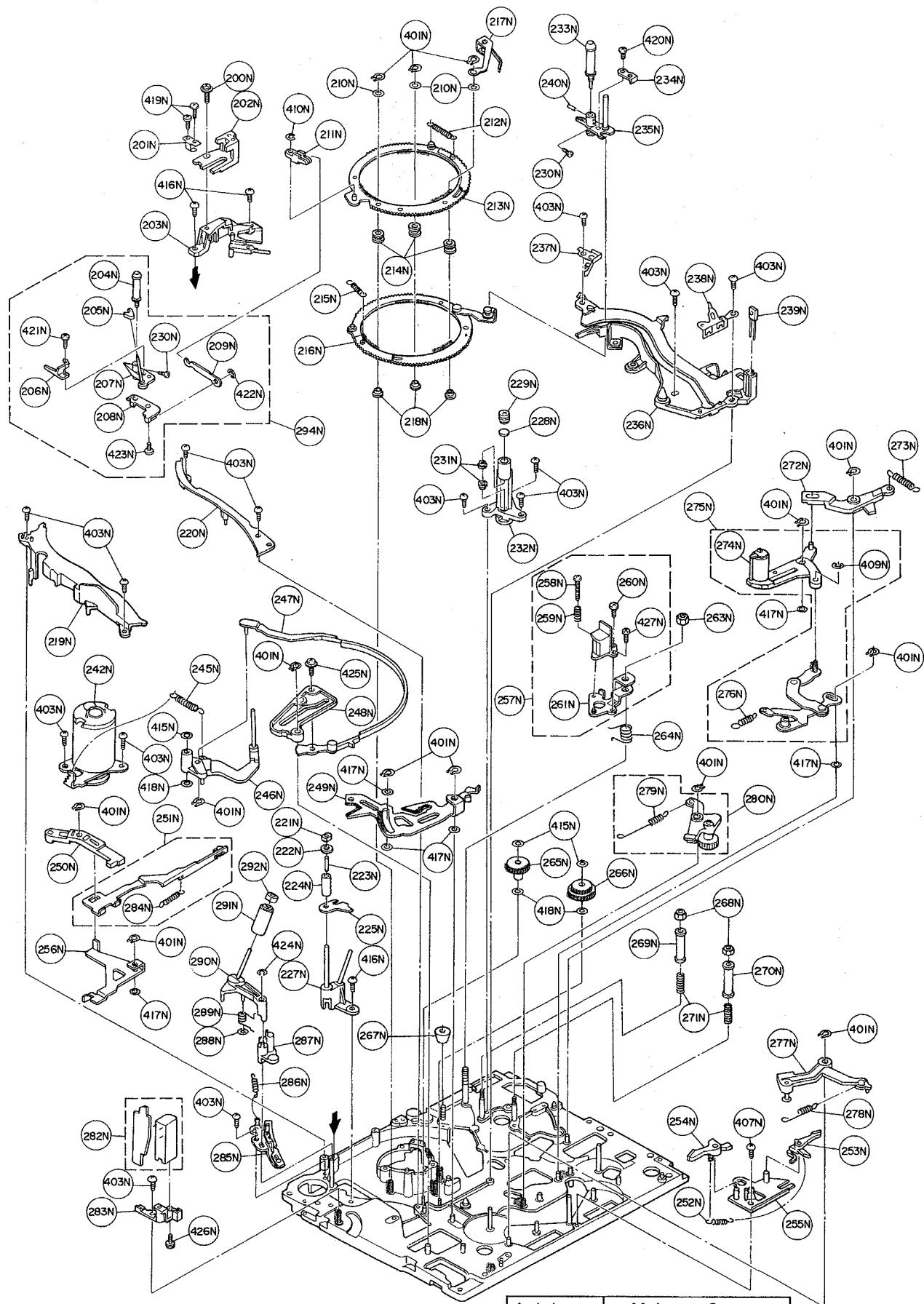
TAPE DECK EXPLODED VIEW (TOP)



Note: Lubrication Points: When the shaded parts are replaced, apply the recommended lubricants for better maintenance of the unit.

Lubricant:	Molytone Grease
Availability:	Avail. from factory
Part No.	1714550019

TAPE DECK EXPLODED VIEW (BOTTOM)



Note: Lubrication Points: When the shaded parts are replaced, apply the recommended lubricants for better maintenance of the unit.

Lubricant:	Molytone Grease
Availability:	Avail. from factory
Part No.	1714550019

Tape deck

001M	4822 691 20742	MECHADECK	216N	4822 522 32779	LOADING RING(T) (1) UNIT
100N	4822 403 53125	CASSETTE GUIDE(L)	217N	4822 492 63993	PRESSER SPRING
101N	4822 522 32901	MAIN ARM GEAR(A)	218N	4822 532 11661	RING GUIDE SLEEVE
102N	4822 403 53124	CASSETTE GUIDE((R))	219N	4822 403 53457	LOADING GUIDE (S) (1)
103N	4822 691 30203	CASSETTE HOLDER UNIT	220N	4822 402 61176	LOADING GUIDE (S) (2)
104N	4822 403 70025	DAMPER UNIT	221N	4822 530 70449	SUPPLY UPPER LIMITER
105N	4822 403 70024	LOCK LEVER UNIT	222N	4822 325 60299	P1 POST SLEEVE (B)
107N	4822 403 70019	STAND (R) UNIT	223N	4822 532 11975	P1 COLLAR
109N	4822 492 41282	HOLDER SPRING (L)	224N	4822 532 21384	P1 ROLLER
110N	4822 492 32705	HOLDER SPRING(R)	225N	4822 404 60203	P1 LIMITER PLATE
112N	4822 278 10083	LEAF SW	226N	4822 502 13062	SCREW
113N	4822 464 50652	LEAF SW COVER(O)	227N	4822 402 61183	P1 BASE (1) UNIT
114N	4822 492 41283	LOCK BORD SPRING	228N	4822 520 20395	THRUST SPACER
115N	4822 402 61181	STAND (L)UNIT	229N	4822 502 12017	TURST SCREW NUT
116N	4822 492 42138	LOCK LEVER (B) SPRING	230N	4822 502 13059	ROLLER POST SCREW
117N	4822 403 52368	LOCK LEVER(B)	231N	4822 462 40812	DUST SEAL
118N	4822 528 81154	LOCK ROLLER(O)	232N	4822 466 92222	CAPSTAN HOUSING
119N	4822 402 61187	LOCK BOARD UNIT	233N	4822 528 90782	ROLLER POST UNIT
120N	4822 492 41284	LOCK LEVER(A) SPRING	234N	4822 404 60202	T-UP SHAFTHOLDER ANG
121N	4822 403 52367	LOCK LEVER(A)	235N	4822 402 61184	TAKEUP SHAFT HOLDER
122N	4822 403 70022	CASSETTE UP(O) UNIT	236N	4822 402 61178	TAKE UP LOADING BASE
123N	4822 528 81037	SUPPLY REEL TABLE	237N	4822 492 42257	SHAFT HOLDPRESS SPRING
124N	4822 528 20613	SUPPLY CLUTCH UNIT	238N	4822 466 82334	SHAFT HOLD PLATE ANG
125N	4822 528 20614	TAKE UP CLUTCH UNIT	239N	4822 130 32878	LED
126N	4822 528 10698	TAKE UP REEL TABLE	240N	4822 502 13058	T-UP SHAFT ADJ SCREW
128N	4822 111 91971	DEW DETECTOR UNIT	242N	4822 361 21106	LOADING MOTOR UNIT
129N	4822 404 60222	CASSETTE OPENER	245N	4822 492 32843	TENSION SPRING
135N	4822 466 40236	SOFT BRAKE(T) UNIT	246N	4822 464 50421	TENSION ARM UNIT
136N	4822 522 32439	DRIVE GEAR ARM UNIT	247N	4822 321 30349	TENSION BAND UNIT
137N	4822 502 13057	CYLINDER UNIT SCREW	248N	4822 404 60418	BAND RELEASE ARM
138N	4822 691 20457	UPPER CYLINDER UNIT	249N	4822 464 50419	TENSION KICK LEVER
139N	4822 290 60713	RT TERMINAL	250N	4822 404 60417	EJECT LEVER (A)
140N	4822 691 20592	CYLINDER UNIT	251N	4822 404 60422	SUPPORTER UNIT
141N	4822 358 30832	LOADING BELT	252N	4822 492 32702	BREAKE SPRING
142N	4822 528 81151	INTERMEDIATE PULLYGE	253N	4822 466 40185	BLAKE(R) UNIT
143N	4822 532 51556	CUT WASHER	254N	4822 466 40184	BLAKE(L) UNIT
144N	4822 522 32294	DRIVE GEAR(B)	255N	4822 466 81684	BLAKE PLATE (1) UNIT
145N	4822 466 82337	EARTH HOLDER UNIT	256N	4822 404 60421	EJECT LEVER
147N	4822 522 32293	DRIVE GEAR(A)	257N	4822 691 20584	A/C HEAD UNIT
148N	4822 522 31913	CAM GEAR	258N	4822 502 12846	A/C HEAD ADJ SCREW
149N	4822 532 11223	THRUST WASHER	259N	4822 492 41297	A/C HEAD ADJ SPRING
150N	4822 466 82336	MAIN ROD(K) UNIT	260N	4822 502 13085	A/C TILT ADJ SCREW
151N	4822 522 31918	LOADING GEAR(C) (2)	261N	4822 403 53464	A/C HEAD ARM UNIT
152N	4822 492 70768	LOADING GEAR(C) SPRING	262N	4822 403 70017	A/C HEAD BINDER
153N	4822 522 31917	LOADING GEAR (C)(1)	263N	4822 505 10931	A/C HEAD ARM NUT
154N	4822 466 82335	GUARD PLATE	264N	4822 492 41296	A/C HEAD SPRING
155N	4822 403 52388	DRIVE ARMKICK LEVER	265N	4822 522 31923	LOADING GEAR(A)
156N	4822 492 41294	DRARKICK LEVER SPRING	266N	4822 522 32442	LOADING GEAR(B)
157N	4822 522 31921	SECTOR GEAR UNIT	267N	4822 505 10929	ADJUST NUT
158N	4822 464 50404	SEAFTY TAB SW BASE	268N	4822 505 10776	M2 NYLON NUT
159N	4822 271 30423	SAFTY TAB SW	269N	4822 535 70855	P4 POST SLEEVE
160N	4822 522 32956	DRIVE GEAR(C)	270N	4822 535 71217	P5 POST SLEEVE
161N	4822 278 90565	MODE SELECT SW	271N	4822 492 41298	P4;P5 POST SPRING
163N	4822 466 61663	STATOR UNIT	272N	4822 404 60419	PINCH LEVER
164N	4822 528 81036	ROTOR UNIT	273N	4822 492 70598	PINCH LEVER SPRING
165N	4822 528 81215	MAIN PULLEY UNIT	274N	4822 528 70522	PINCH ROLLER ARM
166N	4822 358 20241	CAPSTAN BELT	275N	4822 528 70534	PINCH ARM UNIT
167N	4822 432 60233	BELTCOVER	276N	4822 492 41302	PINCH ARM SPRING
200N	4822 502 12847	P2 ADJUST SCREW	277N	4822 403 10238	SOFT BREAKE LEVER(S) UNIT
201N	4822 403 52379	P2 ADJUST PLATE	278N	4822 492 41289	SOFT BREAKE SPRING(S)
202N	4822 464 50413	SUPPLY POST STOPPER	279N	4822 492 32845	REW ARM SPRING
203N	4822 402 61179	V STOPPER BASE	280N	4822 404 60423	FF/REW ARM UNIT
204N	4822 535 93159	SUPPLYROLLER POST UNIT	282N	4822 249 40273	FE HEAD
205N	4822 462 40808	P2 CAP	283N	4822 466 92225	FE HEAD BASE
206N	4822 403 52386	TAPE PROTECTOR	284N	4822 492 32703	SUPPORTER SPRING
207N	4822 464 50416	SUP SHAFTHOLDER (1) UNIT	285N	4822 403 53835	SLIDE BASE(0) UNIT
208N	4822 403 52392	SUP SHAFTHOLDER ANGL	286N	4822 492 70325	SLIDE SPRING
209N	4822 404 60204	CONNECTION ROD	287N	4822 403 53834	IMPEDANCE LREVER
210N	4822 532 11662	RING GUIDE SLEEVE UNIT	288N	4822 505 11049	PUSH NUT
211N	4822 403 52391	CONECTION TIE UNIT	289N	4822 492 70597	IMPEDANCE DRIVE SPRING
212N	4822 492 41292	LOADING SPRING	290N	4822 403 70033	IMPEDANCE ARM(1) UNIT
213N	4822 522 31926	LOADING RING(S) (1) UNIT	291N	4822 528 81384	IMPEDANCE ROLLER
214N	4822 528 70529	RING GUIDE ROLLER	292N	4822 530 70449	SUPPLY UPPER LIMITER
215N	4822 492 41292	LOADING SPRING	294N	4822 403 70032	SUPPLY SHAFT HOLDER UNIT

Cabinet parts

001B	4822 443 41137	CASS CASE (K)	055F	4822 502 13392	SCREW FOR ANT LID
002B	4822 443 41134	CASS CASE	057F	4822 502 13103	SCREW FOR BUTTON UNIT
003B	4822 410 61833	EJECT BUTTON	060F	4822 443 41135	HA CASE A
004B	4822 256 91726	EJECT PCB HOLDER	061F	4822 443 41136	HA CASE B
005B	4822 502 13877	SCREW FOR CASS CASE	062F	4822 502 13679	SCREW FOR HA
006B	4822 502 13877	SCREW FOR CASS CASE	064F	4822 466 92945	BUFFER FOR IR
007B	4822 403 70153	STRAP BRACKET R	067F	4822 502 13314	SCREW
008B	4822 403 70154	STRAP BRACKET L	075F	4822 403 70593	CASS CASE BRACKET
009B	4822 502 13877	SCREW FOR BRACKET	076F	4822 502 13877	SCREW FOR CASS CASE
010B	4822 498 40586	HANDLE	079F	4822 462 71833	BUFFER FOR BUTTON UNIT
011B	4822 443 41138	UPPER CASE K	089F	4822 256 91891	ANT.HOLDER
012B	4822 443 41131	UPPER CASE	096F	4822 443 41132	CASE FOR BACKLIGHT
013B	4822 381 11194	LENS	097F	4822 443 41133	CASE FOR CHROMA PCB
015B	4822 443 63606	CASSETTE LID(K)	099F	4822 462 71832	BUFFER
016B	4822 443 63602	CASSETTE LID	100F	4822 462 71835	BUFFER FOR TV BOTTOM
017B	4822 450 61863	WINDOW FOR CASS LID	101F	4822 492 71087	LEAF SPRING FOR LCD
022B	4822 401 11438	CLAMPER:UPPER CASE	103F	4822 403 70594	BRACKET
001D	4822 432 10962	TV BOTTOM CASE(K)	106F	4822 462 71726	BUFFER FOR TUNER
002D	4822 432 10961	TV BOTTOM CASE	109F	4822 502 13679	SCREW FOR SHIELD
003D	4822 410 61829	CH/VOL BUTTON	110F	4822 462 71834	BUFFER FOR TV CASE
005D	4822 403 70159	HOOK (R)	111F	4822 462 71724	BUFFER FOR FRAME
006D	4822 403 70161	HOOK (L)	112F	4822 502 13097	SCREW FOR TERMINAL
007D	4822 432 60478	HOOK COVER (R)	001Z	4822 138 10425	LITHIUM BATTERY
008D	4822 432 60479	HOOK COVER (L)	003T	4822 736 52852	DIR F. USE PVR570
011D	4822 443 63599	HINGE COVER			
012D	4822 432 10959	TV UPPER CASE			
015D	4822 450 61862	TV WINDOW			
018D	4822 413 31694	KNOB (CONTRAST)			
020D	4822 466 92948	TV BUFFER			
023D	4822 502 13203	SCREW FOR TV UPPER C			
033D	4822 492 70762	SPRING FOR HOOK			
035D	4822 256 91889	SPEAKER HOLDER			
043D	4822 410 61831	LCD ON/OFF BUTTON			
001F	4822 464 70589	FRAME K			
002F	4822 464 90689	FRAME			
003F	4822 256 91727	BATTERY HOOK			
004F	4822 492 70761	SPRING FOR BATTERY			
005F	4822 290 81387	TERMINAL FOR BATTERY			
006F	4822 502 13103	SCREW FOR FRAME			
007F	4822 443 63605	BATTERY LID(K)			
008F	4822 443 63601	BATTERY LID			
009F	4822 410 61832	BATTERY EJECT BUTTON			
011F	4822 502 13103	SCREW FOR HOLDER			
012F	4822 502 13877	SCREW FOR TUNER PCB			
013F	4822 502 13877	SCREW FOR LCD PCB			
014F	4822 502 13681	SCREW FOR ACCESSORY			
015F	4822 443 41129	BOTTOM CASE			
018F	4822 256 91729	ACCESSORY CONNECTOR			
019F	4822 450 61632	REMOTE WINDOW			
020F	4822 502 13103	SCREW FOR BOTTOM			
022F	4822 256 91892	TERMINAL HOLDER			
024F	4822 256 91724	LITHIUM CASE(K)			
025F	4822 256 91723	LITHIUM CASE			
026F	4822 290 81494	LITHIUM TERMINAL A			
027F	4822 290 81495	LITHIUM TERMINAL B			
028F	4822 443 63603	LITHIUM LID			
033F	4822 411 61731	SLIDE SW KNOB			
041F	4822 403 70152	HINGE BRACKET			
042F	4822 417 11165	HINGE UNIT			
043F	4822 403 70143	HINGE ARM			
045F	4822 502 13877	SCREW FOR HINGE ARM			
050F	4822 502 13103	SCREW			
051F	4822 502 13103	SCREW FOR BUTTON UNIT			
052F	4822 443 63604	ANTENNA LID			
053F	4822 303 30418	ANTENNA			
054F	4822 502 13877	SCREW FOR ANTENNA			

Linear Audio

CAPACITORS

C401	4822 124 41841	4.7µF/6.3V
C402	4822 124 41841	4.7µF/6.3V
C403	5322 126 10511	0.001µF
C404	4822 122 32672	1µF/16V
C405	4822 124 22727	47µF/16V
C406	4822 124 23493	22µF/16V
C407	4822 124 22727	47µF/16V
C408	4822 124 41841	4.7µF/6.3V
C409	5322 122 31866	6800PF
C410	4822 124 41839	10µF/6.3V
C411	4822 124 41841	4.7µF/6.3V
C413	4822 121 41857	0.01µF/50V
C414	4822 122 32672	1µF/16V
C416	5322 126 10511	0.001µF
C417	4822 124 22727	47µF/16V
C418	4822 124 22727	47µF/16V
C419	4822 121 41857	0.01µF/50V
C421	4822 122 32701	0.022µF
C422	5322 126 10511	0.001µF
C423	4822 122 32701	0.022µF
C424	4822 124 22728	100µF/16V
C427	5322 126 10511	0.001µF
C428	4822 126 10147	680PF
C429	4822 124 41839	10µF/6.3V
C430	4822 122 33714	0.1µF

R408	4822 051 30332	3.3KΩ
R409	4822 051 30682	6.8KΩ
R410	4822 051 30683	68KΩ
R411	4822 051 30103	10KΩ
R413	4822 051 30105	1MΩ
R414	4822 051 30223	22KΩ
R416	4822 051 30471	470Ω
R418	4822 051 30103	10KΩ
R419	4822 051 30153	15KΩ
R420	4822 051 30222	2.2KΩ
R421	4822 051 30102	1KΩ
R422	4822 051 30479	47Ω
R423	4822 051 30331	330Ω
R424	4822 051 30334	330KΩ
R425	4822 051 30153	15KΩ
R427	4822 051 30109	10Ω
R428	4822 100 11609	47KΩ 1/10W
R429	4822 051 30103	10KΩ
R432	4822 051 30333	33KΩ
R433	4822 051 30332	3.3KΩ
R434	4822 051 30332	3.3KΩ
R437	4822 051 30683	68KΩ
R440	4822 116 82487	0Ω
R443	4822 051 30223	22KΩ

DIODES

D401	4822 130 81166	1SS184
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IC's

IC41	4822 209 63131	BA7751AF
IC42	4822 209 63132	BA7755A

CONNECTORS

J401	4822 267 31204
J402	4822 265 41073
J403	4822 267 31204

COILS

L401	4822 157 62729	15 MH
L402	4822 157 62729	15 MH
L403	4822 156 21615	OSC COIL
L404	4822 157 62732	22 µH
L405	4822 157 62732	22 µH
L406	4822 157 62732	22 µH

TRANSISTORS

Q401	4822 130 60564	2SB956 (R)
Q402	4822 130 43398	2SC2712 GR
Q403	4822 130 43398	2SC2712 GR
Q404	4822 130 42733	2SA1162(G)

RESISTORS

R401	4822 051 30332	3.3KΩ
R402	4822 051 30102	1KΩ
R403	4822 051 30223	22KΩ
R404	4822 051 30223	22KΩ
R405	4822 051 30103	10KΩ
R406	4822 051 30103	10KΩ
R407	4822 051 30153	15KΩ

Backlight Amp. control

CAPACITORS

C4A1	4822 124 41841	4.7μF/6.3V
C4A2	4822 126 12076	0.047μF/16V
C4A4	4822 122 32672	1μF/16V
C4A5	4822 126 12076	0.047μF/16V
C4A6	4822 124 23463	220U/10V
C4A7	4822 122 33714	0.1μF/5V
C4A8	4822 124 22728	100μF/16V
C4B0	4822 124 22727	47μF/16V
C4B2	4822 124 22728	100μF/16V
C4C2	4822 124 22727	47μF/16V
C4C3	4822 122 32672	1μF/16V
C4C4	4822 124 41839	10μF/6.3V
C4C5	4822 122 32672	1μF/16V
C4C6	5322 122 34098	0.01μF
C4C7	4822 122 33891	3300PF

DIODES

D4C1	4822 130 81166	1SS184
D7K1	4822 130 82315	1SS181
D7K2	4822 130 82315	1SS181

IC's

IC4A	4822 209 63129	NJM386BM
IC4C	4822 209 30223	M5222FP-600A ELE VOL

CONNECTORS

J4A0	4822 265 30857
J4C0	4822 267 31204
J7K1	4822 265 30857
J7U1	4822 265 30862
J7U2	4822 265 30857
J7U3	4822 267 31204
J7U4	4822 267 31204
J7U5	4822 265 20361
J7U6	4822 267 31204

TRANSISTORS

Q4A1	4822 130 42733	2SA1162(G) FOR MIX A
Q4A2	4822 130 43398	2SC2712 GR
Q4A3	4822 130 43398	2SC2712 GR
Q4A4	4822 130 43398	2SC2712 GR

RESISTORS

R4B3	4822 051 30101	100Ω
R4B4	4822 051 30471	470Ω
R4B5	4822 116 82487	0Ω
R4B7	4822 051 30109	10Ω
R4B8	4822 051 30104	100KΩ
R4B9	4822 111 91019	150Ω 1/8W
R4C0	4822 111 91019	150Ω 1/8W
R4C1	4822 051 30759	75Ω
R4C2	4822 051 30154	150KΩ
R4C3	4822 051 30472	4.7KΩ
R4C7	4822 051 30472	4.7KΩ
R4C8	4822 051 30223	22KΩ
R4C9	4822 051 30682	6.8KΩ
R4D0	4822 051 30333	33KΩ
R4D2	4822 051 30472	4.7KΩ
R4D4	4822 051 30103	10KΩ
R4D5	4822 051 30683	68KΩ
R4D6	4822 051 30104	100KΩ

R4D7	4822 051 30102	1KΩ
R7U1	4822 051 30472	4.7KΩ
R7U3	4822 051 30332	3.3KΩ
R7U4	4822 051 30223	22KΩ
R7U6	4822 051 30471	470Ω
R7V4	4822 116 82487	0Ω

SWITCHES

S7K1	4822 276 12455
S7K2	4822 276 12455
S7K3	4822 276 12455
S7K4	4822 276 12455

CAPACITORS

C1F0	4822 124 22728	100μF/ 16V
C1F1	4822 121 20256	0.068μF
C1F2	4822 125 60184	22PF
C1F3	4822 125 60184	22PF
C1F4	4822 124 22728	100μF / 16V

FUSE

F1F0	4822 252 31046	FUSE 1A
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CONNECTORS

J1F0	4822 267 31477	
J1F1	4822 265 20566	2-PIN
J1F2	4822 265 20566	2-PIN

COILS

L1F0	4822 157 53865
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TRANSFORMER

T1F0	4822 146 21664	TRANS. FO
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TRANSISTORS

Q1F0	4822 130 63003	2SD1803-S
Q1F1	4822 130 63003	2SD1803-S

RESISTORS

R1F0	4822 051 30103	10KΩ
R1F1	4822 051 30103	10KΩ
R1F2	4822 051 30103	10KΩ
R1F3	4822 051 30103	10KΩ

Chroma Decoder, Sync

TRANSISTORS

Q8A3 4822 130 43398 2SC2712 GR
 Q8A4 4822 130 43398 2SC2712 GR
 Q8A5 4822 130 43398 2SC2712 GR
 Q8A6 4822 130 43398 2SC2712 GR
 Q8A7 4822 130 43398 2SC2712 GR
 Q8A8 4822 130 61799 DTA144TK
 Q8A9 4822 130 43398 2SC2712 GR
 Q8C0 4822 130 43398 2SC2712 GR
 Q8C1 4822 130 43398 2SC2712 GR
 Q8C2 4822 130 43398 2SC2712 GR
 Q8C3 4822 130 43398 2SC2712 GR
 Q8C4 4822 130 43398 2SC2712 GR
 Q8C7 4822 130 43398 2SC2712 GR
 Q8C8 4822 130 43398 2SC2712 GR
 Q8C9 4822 130 43398 2SC2712 GR

RESISTORS

R8A1 4822 051 30102 1KΩ
 R8A2 4822 051 30472 4.7KΩ
 R8A3 4822 051 30153 15KΩ
 R8A4 4822 051 30152 1.5KΩ
 R8A5 4822 051 30103 10KΩ
 R8A6 4822 051 30561 560Ω
 R8A7 4822 051 30332 3.3KΩ
 R8A8 4822 051 30103 10KΩ
 R8A9 4822 051 30103 10KΩ
 R8C0 4822 051 30332 3.3KΩ
 R8C2 4822 051 30473 47KΩ
 R8C3 4822 051 30153 15KΩ
 R8C4 4822 100 11608 10KΩ 1/10
 R8C5 4822 051 30333 33KΩ
 R8C6 4822 051 30471 470Ω
 R8C7 4822 051 30104 100KΩ
 R8C8 4822 051 30153 15KΩ
 R8D0 4822 051 30103 10KΩ
 R8D2 4822 051 30105 1MΩ
 R8D3 4822 051 30223 22KΩ
 R8D4 4822 051 30105 1MΩ
 R8D5 4822 051 30223 22KΩ
 R8D6 4822 051 30105 1MΩ
 R8D7 4822 051 30223 22KΩ
 R8D8 4822 051 30332 3.3KΩ
 R8D9 4822 051 30224 220KΩ
 R8E0 4822 051 30153 15KΩ
 R8E1 4822 051 30154 150KΩ
 R8E2 4822 051 30152 1.5KΩ
 R8F1 4822 051 30223 22KΩ
 R8F2 4822 051 30223 22KΩ
 R8F3 4822 051 30102 1KΩ
 R8F4 4822 051 30102 1KΩ
 R8F5 4822 051 30102 1KΩ
 R8F6 4822 051 30332 3.3KΩ
 R8F7 4822 051 30331 330Ω
 R8F8 4822 051 30471 470Ω
 R8F9 4822 051 30333 33KΩ
 R8G0 4822 051 30223 22KΩ
 R8G1 4822 051 30102 1KΩ
 R8G2 4822 051 30102 1KΩ
 R8G3 4822 051 30102 1KΩ
 R8G4 4822 051 30102 1KΩ
 R8G5 4822 051 30333 33KΩ
 R8G6 4822 051 30102 1KΩ
 R8G7 4822 051 30331 330Ω
 R8G8 4822 051 30102 1KΩ
 R8G9 4822 100 11604 4.7KΩ
 R8H0 4822 051 30472 1.5KΩ

R8H2	4822 051 30154	150KΩ
R8H3	4822 051 30473	47KΩ
R8H4	4822 051 30152	1.5KΩ
R8H5	4822 051 30331	330Ω
R8H6	4822 051 30102	1KΩ
R8H7	4822 051 30223	22KΩ
R8H8	4822 051 30223	22KΩ
R8H9	4822 051 30222	2.2KΩ
R8J0	4822 051 30333	33KΩ
R8J1	4822 051 30684	680Ω
R8J2	4822 051 30331	330Ω
R8J3	4822 051 30102	1KΩ
R8J4	4822 051 30223	22KΩ
R8J5	4822 051 30223	22KΩ
R8J6	4822 051 30222	2.2KΩ
R8J7	4822 051 30333	33KΩ
R8J8	4822 051 30684	680Ω
R8J9	4822 051 30152	1.5KΩ
R8K0	4822 051 30102	1KΩ
R8K1	4822 051 30682	6.8KΩ
R8K2	4822 051 30153	15KΩ
R8K3	4822 051 30332	3.3KΩ
R8K6	4822 051 30102	1KΩ
R8K7	4822 051 30102	1KΩ
R8K8	4822 051 30222	2.2KΩ
R8K9	4822 051 30102	1KΩ
R8L1	4822 051 30683	68KΩ
R8L2	4822 051 30682	6.8KΩ
R8L3	4822 051 30103	10KΩ
R8M1	4822 051 30104	100KΩ
R8M2	4822 051 30332	3.3KΩ
R8M3	4822 051 30223	22KΩ
R8M5	4822 051 30105	1MΩ
R8M6	4822 051 30223	22KΩ
R8M7	4822 051 30102	1KΩ
R8M9	4822 051 30105	1MΩ
R8N6	4822 051 30221	220Ω
R8N7	4822 051 30105	1MΩ
R8N8	4822 051 30105	1MΩ
R8N9	4822 051 30105	1MΩ
R8P0	4822 051 30223	22KΩ
R8P1	4822 051 30223	22KΩ
R8P2	4822 051 30222	2.2KΩ
R8P4	4822 051 30222	2.2KΩ
R8P5	4822 051 30223	22KΩ
R8P6	4822 051 30223	22KΩ
R8P7	4822 051 30222	2.2KΩ
R8P9	4822 051 30222	2.2KΩ
R8Q0	4822 051 30223	22KΩ
R8Q1	4822 051 30223	22KΩ
R8Q2	4822 051 30222	2.2KΩ
R8Q4	4822 051 30222	2.2KΩ
R8Q5	4822 051 30103	10KΩ
R8Q7	4822 051 30103	10KΩ
R8Q8	4822 051 30682	6.8KΩ
R8Q9	4822 051 30104	100KΩ
R8R0	4822 051 30683	68KΩ
R8R1	4822 051 30153	15KΩ
R8R2	4822 051 30103	10KΩ
R8R3	4822 051 30223	22KΩ
R8R4	4822 051 30153	15KΩ
R8R5	4822 051 30153	15KΩ
R8R6	4822 051 30222	2.2KΩ
R8R7	4822 051 30472	4.7KΩ

CRYSTAL

X8A1 4822 242 72593 CRYSTAL RESONATOR

Croma Decoder, Sync

CAPACITORS

C8A2	4822 122 32672	1μF/16V
C8A3	4822 126 10147	680PF
C8A4	5322 122 32448	10PF
C8A5	5322 122 32658	22PF
C8A7	4822 122 33515	82PF
C8A8	5322 122 34098	0.01μF
C8A9	5322 122 34098	0.01μF
C8C0	4822 122 32672	1μF/16V
C8C1	4822 124 41839	10μF/ 6.3V
C8C2	4822 124 41841	4.7 μF / 6.3V
C8C3	4822 122 33714	0.1 μF/25V
C8C5	4822 122 32672	1μF/16V
C8C6	5322 122 32531	100PF
C8C8	4822 124 41841	4.7 μF / 6.3V
C8C9	4822 124 41841	4.7 μF / 6.3V
C8D0	4822 124 41841	4.7 μF / 6.3V
C8D1	4822 122 33714	0.1 μF
C8D2	4822 122 33714	0.1 μF/25V
C8D3	4822 122 33714	0.1 μF/25V
C8D4	4822 122 33714	0.1 μF/25V
C8D5	4822 122 32672	1μF/16V
C8D6	4822 122 33709	3PF
C8D7	4822 122 32672	1μF/16V
C8D8	4822 122 33709	3PF
C8D9	4822 122 32672	1μF/16V
C8E0	4822 122 33709	3PF
C8E1	4822 122 33714	0.1 μF/25V
C8E2	4822 122 33714	0.1 μF/25V
C8E3	4822 124 22728	100μF/ 16V
C8E4	5322 122 34098	0.01μF
C8E5	4822 126 12128	16PF
C8E6	4822 122 33714	0.1μF
C8E8	4822 122 32672	1μF/16V
C8E9	5322 122 34098	0.01μF
C8F0	4822 122 33714	0.1 μF/25V
C8F1	4822 124 22728	100μF/16V
C8F2	4822 124 22727	47μF/16V
C8F3	5322 122 32659	33PF
C8F4	4822 122 33805	330PF
C8F5	4822 124 41839	10μF/6.3V
C8F6	4822 122 33805	330PF
C8F7	4822 122 32701	0.022μF
C8F8	4822 122 32701	0.022μF
C8F9	4822 122 32701	0.022μF
C8G1	4822 122 33714	0.1 μF/25V
C8G2	4822 122 33714	0.1 μF/25V
C8G3	5322 122 32658	22PF
C8G4	5322 122 32658	22PF
C8G5	5322 126 10511	0.001μF
C8G6	5322 126 10794	220PF
C8G7	4822 122 32672	1μF/16V
C8G8	4822 122 33714	0.1μF
C8G9	5322 126 10794	220PF
C8H0	4822 122 32672	1μF/16V
C8H1	5322 126 10511	0.001μF
C8H2	5322 122 32658	22PF
C8H3	5322 122 32658	22PF
C8H4	5322 122 34098	0.01μF
C8H5	4822 122 33714	0.1 μF/25V
C8H8	5322 126 10511	0.001μF
C8H9	5322 126 10511	0.001μF
C8J0	5322 126 10511	0.001μF
C8J1	4822 122 32701	0.022μF
C8J2	4822 122 32701	0.022μF
C8J3	5322 122 34098	0.01μF
C8J4	5322 122 34098	0.01μF
C8J5	5322 126 10511	0.001μF
C8J6	5322 122 32452	47PF
C8J7	5322 126 10511	1000PF

C8J9	4822 124 41839	10μF/6.3V
C8K1	4822 122 33714	0.1 μF/25V
C8K2	5322 122 32659	33PF
C8K3	5322 122 32531	100PF
C8K4	4822 122 33714	0.1 μF/25V
C8K5	5322 122 34099	470PF
C8K6	4822 126 12076	0.047μF/16V
C8K8	4822 124 41839	10μF/6.3V
C8K9	4822 124 41839	10μF/6.3V
C8L0	4822 124 41839	10μF/6.3V
C8M0	4822 122 32672	1μF/16V
C8M1	4822 122 32672	1μF/16V
C8M2	4822 122 33714	0.1 μF/25V
C8M3	4822 122 33714	0.1 μF/25V
C8M5	4822 122 33714	0.1 μF/25V
C8M6	4822 122 33714	0.1 μF/25V
C8M7	4822 122 33714	0.1 μF/25V
C8M8	4822 122 33714	0.1 μF/25V
C8M9	4822 122 33714	0.1 μF/25V
C8N0	5322 122 32452	47PF CH
C8N1	5322 122 32452	47PF CH
C8N2	5322 122 32452	47PF CH
C8N3	5322 122 34098	0.01μF

DIODES

D8A2	4822 130 81089	1SS226
D8A3	4822 130 81089	1SS226
D8A4	4822 130 81166	1SS184
D8A5	4822 130 81166	1SS184
D8A6	4822 130 81166	1SS184

FILTERS

FL8A	4822 242 72589	LC FILTER NLT4532-S4
FL8C	4822 320 50173	EFD-VN645A41C

IC's

IC8A	4822 209 61643	M52003Afp
IC8C	4822 209 61644	M51404Afp
IC8D	4822 209 60334	CHIP LOGIC TC4S81F
IC8E	4822 209 11502	TC4081BF
IC8F	4822 209 73911	INVERTER 4069UBF

CONNECTORS

J8A1	4822 265 20504	
J8A2	4822 265 20565	
J8A3	4822 265 61241	
J8A4	4822 265 30962	
J8A5	4822 265 30857	4PIN

COILS

L8A1	4822 157 53876	
L8A2	4822 157 60423	
L8A3	4822 157 53874	
L8A4	4822 157 62319	
L8A5	4822 157 53876	33μH
L8A6	4822 157 60425	
L8A7	4822 157 60422	
L8A8	4822 157 60422	
L8A9	4822 157 60422	
L8C0	4822 157 60421	
L8C1	4822 157 53875	
L8C2	4822 157 53876	

Servo/Driver/System/Control

CAPACITORS

C201	4822 122 32672	1μF/16V
C202	5322 126 10511	0.001μF
C203	5322 126 10511	0.001μF
C204	4822 122 32672	1μF/16V
C205	5322 122 34099	470PF
C206	4822 124 22727	47μF/16V
C207	4822 122 32672	1μF/16V
C208	4822 122 32672	1μF/16V
C209	4822 124 22727	47μF/16V
C210	4822 124 22727	47μF/16V
C211	4822 126 12076	0.047μF/16V
C212	5322 122 34098	0.01μF
C213	4822 122 32672	1μF/16V
C214	4822 124 22727	47μF/16V
C215	5322 122 32531	100PF
C216	4822 124 22727	47μF/16V
C217	4822 122 33714	0.1μF/25V
C218	5322 122 32531	100PF
C219	5322 122 32531	100PF
C221	5322 122 34098	0.01μF
C222	4822 126 12076	0.047μF/16V
C223	5322 126 10223	4700PF
C224	4822 124 22727	47μF/16V
C225	4822 124 22727	47μF/16V
C226	4822 126 12076	0.047μF/16V
C227	4822 124 22727	47μF/16V
C228	4822 124 22727	47μF/16V
C229	4822 122 33127	2200PF
C230	5322 126 10511	0.001μF
C231	4822 126 12076	0.047μF/16V
C232	4822 124 23467	2.2μF/35V BP
C233	5322 122 32531	100PF
C234	5322 126 10511	0.001μF
C235	4822 122 32672	1μF/16V
C236	4822 124 22727	47μF/16V
C237	4822 124 22727	47μF/16V
C238	4822 124 22727	47μF/16V
C239	4822 124 22728	100μF/16V
C240	5322 122 34098	0.01μF
C241	4822 122 32672	1μF/16V
C242	4822 122 32672	1μF/16V
C243	5322 122 34098	0.01μF
C244	4822 124 41839	10μF/6.3V
C245	4822 122 33714	0.1μF/25V
C246	4822 121 43526	0.047μF/50V
C247	5322 122 34098	0.01μF
C248	4822 122 32672	1μF/16V
C249	5322 122 32659	33PF
C250	5322 122 32659	33PF
C251	4822 124 22727	47μF/16V
C252	4822 124 22727	47μF/16V
C253	4822 124 22726	4.7μF/35V
C254	4822 124 22726	4.7μF/35V
C255	4822 124 22726	4.7μF/35V
C256	4822 124 22727	47μF/16V
C257	5322 126 10223	4700PF
C258	5322 126 10223	4700PF
C259	5322 126 10223	4700PF
C260	4822 124 23127	0.47μF/35V
C261	4822 124 23127	0.47μF/35V
C262	4822 124 23127	0.47μF/35V
C263	4822 124 22727	47μF/16V
C264	5322 122 34098	0.01μF
C265	4822 122 33714	0.1μF/25V
C266	5322 122 34098	0.01μF
C267	4822 122 33714	0.1μF/25V
C268	5322 122 34098	0.01μF
C269	4822 122 33714	0.1μF/25V

C270	4822 124 22728	100μF/16V
C271	4822 124 22727	47μF/16V
C272	4822 126 12076	0.047μF/16V
C273	4822 124 22727	47μF/16V
C274	4822 122 33714	0.1μF/25V
C275	4822 126 12076	0.047μF/16V
C276	4822 126 12076	0.047μF/16V
C601	4822 124 22727	47μF/16V
C602	4822 122 33714	0.1μF/25V
C603	4822 124 22726	4.7μF/35V
C604	4822 122 33714	0.1μF/25V
C605	4822 122 32672	1μF/16V
C606	4822 122 32672	1μF/16V
C607	5322 122 31866	6800PF
C608	4822 122 33714	0.1μF/25V
C609	4822 124 22727	47μF/16V
C610	4822 122 33714	0.1μF/25V
C611	4822 122 33714	0.1μF/25V
C612	4822 122 32672	1μF/16V
C613	4822 124 22728	100μF/16V
C614	4822 124 22728	100μF/16V
C621	4822 122 33805	330PF
C622	5322 122 32658	22PF
C623	5322 122 32659	33PF
C624	5322 122 32659	33PF
C625	5322 122 34098	0.01μF
C626	4822 122 32672	1μF/16V
C627	4822 122 33714	0.1μF/25V
C628	5322 122 34098	0.01μF
C629	4822 122 33714	0.1μF/25V
C632	4822 124 23463	220U/10V
C633	4822 122 33714	0.1μF/25V
C634	5322 126 10511	0.001μF
C635	5322 126 10511	0.001μF
C636	5322 122 34098	0.01μF

DIODES

D201	4822 130 81089	1SS226
D204	4822 130 81166	1SS184
D205	4822 130 81166	1SS184
D206	4822 130 81166	1SS184
D207	4822 130 81089	1SS226
D208	4822 130 81089	1SS226
D209	4822 130 81166	1SS184
D210	4822 130 81166	1SS184
D211	4822 130 81166	1SS184
D212	4822 130 80728	MA121
D601	4822 130 81166	1SS184
D602	4822 130 81166	1SS184
D603	4822 130 81166	1SS184
D604	4822 130 82315	1SS181
D605	4822 130 82315	1SS181
D606	4822 130 81166	1SS184
D607	4822 130 81166	1SS184
D608	4822 130 82315	1SS181
D609	4822 130 81166	1SS184
D610	4822 130 81166	1SS184
D611	4822 130 81166	1SS184
D621	4822 130 81166	1SS184
D622	4822 130 81166	1SS184
D623	4822 130 81166	1SS184
D624	4822 130 81166	1SS184
D625	4822 130 82315	1SS181
D627	4822 130 81166	1SS184
D629	4822 130 81166	1SS184

IC's

IC21	4822 209 63135	MN67461VDJF
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Servo/Driver/System/Control

IC22	4822 209 61968	AN3798NS
IC23	4822 209 63136	MN1551VYJS4
IC24	4822 209 71455	TA8402F
IC26	4822 209 62168	AN3841SR
IC61	4822 209 81616	M54543L
IC62	4822 209 63134	MN15361VYF
IC63	4822 209 70108	BA10393F
IC64	4822 209 72842	UPD4094BG

CONNECTORS

J201	4822 267 31204	
J202	4822 265 41215	10PIN
J203	4822 265 30963	
J204	4822 265 41075	
J211	4822 267 31204	
J601	4822 265 20361	
J602	4822 267 51022	
J604	4822 265 20504	2PIN
J605	4822 267 31204	2PIN
J611	4822 265 51329	26PIN
J613	4822 265 41216	18PIN
J615	4822 265 30858	3PIN

COILS

L601	4822 157 62723	100 μ H
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TRANSISTORS

Q204	4822 130 42733	2SA1162(G) FOR MIX A
Q205	4822 130 61884	RN1404
Q206	4822 130 60564	2SB956 (R)
Q207	4822 130 60564	2SB956 (R)
Q208	4822 130 60564	2SB956 (R)
Q601	4822 130 42733	2SA1162(G) FOR MIX A
Q602	4822 130 43398	2SC2712 GR
Q603	4822 130 42733	2SA1162(G) FOR MIX A
Q604	4822 130 61884	RN1404
Q605	4822 130 60335	2SA1037K (FR)
Q606	4822 130 61884	RN1404
Q607	4822 130 61884	RN1404
Q608	4822 130 61884	RN1404
Q609	4822 130 42733	2SA1162(G) FOR MIX A
Q610	4822 130 60734	2SC2411K (R)
Q611	4822 130 61537	2SC2412K R
Q612	4822 130 43522	2SB779
Q613	4822 130 42733	2SA1162(G) FOR MIX A
Q614	4822 130 42733	2SA1162(G) FOR MIX A
Q615	4822 130 42733	2SA1162(G) FOR MIX A
Q616	4822 130 42733	2SA1162(G) FOR MIX A
Q617	4822 130 43398	2SC2712 GR
Q618	4822 130 42733	2SA1162(G) FOR MIX A
Q619	4822 130 61884	RN1404
Q621	4822 130 61884	RN1404
Q622	4822 130 61884	RN1404
Q623	4822 130 61884	RN1404
Q631	4822 130 61884	RN1404
Q632	4822 130 61884	RN1404
Q633	4822 130 61884	RN1404
Q637	4822 130 43522	2SB779
Q638	4822 130 61884	RN1404
Q640	4822 130 61884	RN1404

RESISTORS

R201	4822 051 30102	1K Ω
R202	4822 051 30472	4.7K Ω
R203	4822 051 30105	1M Ω

R204	4822 051 30104	100K Ω
R207	4822 051 30221	220 Ω
R208	4822 051 30222	2.2K Ω
R209	4822 051 30102	1K Ω
R210	4822 051 30102	1K Ω
R211	4822 051 30104	100K Ω
R212	4822 051 30104	100K Ω
R213	4822 051 30104	100K Ω
R214	4822 051 30104	100K Ω
R215	4822 051 30473	47K Ω
R216	4822 051 30154	150K Ω
R217	4822 051 30332	3.3K Ω
R218	4822 051 30333	33K Ω
R219	4822 051 30154	150K Ω
R220	4822 051 30224	220K Ω
R221	4822 051 30683	68K Ω
R222	4822 051 30103	10K Ω
R223	4822 051 30154	150K Ω
R224	4822 051 30103	10K Ω
R225	4822 051 30153	15K Ω
R226	4822 051 30103	10K Ω
R227	4822 051 30103	10K Ω
R228	4822 051 30683	68K Ω
R229	4822 051 30221	220 Ω
R231	4822 051 30153	15K Ω
R232	4822 051 30334	330K Ω
R233	4822 051 30473	47K Ω
R234	4822 051 30334	330K Ω
R235	4822 051 30473	47K Ω
R236	4822 051 30105	1M Ω
R237	4822 051 30103	10K Ω
R238	4822 051 30223	22K Ω
R239	4822 051 30223	22K Ω
R240	4822 051 30102	1K Ω
R241	4822 051 30223	22K Ω
R242	4822 051 30152	1.5K Ω
R243	4822 051 30332	3.3K Ω
R245	4822 051 30333	33K Ω
R246	4822 100 11634	100K Ω
R249	4822 051 30332	3.3K Ω
R250	4822 051 30102	1K Ω
R251	4822 051 30153	15K Ω
R252	4822 051 30229	22 Ω
R253	4822 051 30229	22 Ω
R254	4822 051 30229	22 Ω
R255	4822 111 91007	2.2 Ω 1/8W
R256	4822 116 82712	1.8 Ω 1/8W
R257	4822 116 82712	1.8 Ω 1/8W
R258	4822 051 30103	10K Ω
R259	4822 051 30103	10K Ω
R260	4822 051 30103	10K Ω
R261	4822 051 30682	6.8K Ω
R262	4822 051 30682	6.8K Ω
R266	4822 051 30221	220 Ω
R267	4822 051 30682	6.8K Ω
R268	4822 051 30683	68K Ω
R269	4822 051 30334	330K Ω
R270	4822 051 30101	100 Ω
R271	4822 051 30471	470 Ω
R273	4822 116 82487	0 Ω
R274	4822 116 82712	1.8 Ω 1/8W
R275	4822 116 82712	1.8 Ω 1/8W
R277	4822 116 82711	1 Ω 1/8W
R6A0	4822 051 30104	100K Ω
R6A7	4822 051 30473	47K Ω
R6A9	4822 051 30102	1K Ω
R6C0	4822 051 30102	1K Ω
R6C1	4822 051 30102	1K Ω
R6K2	4822 051 30103	10K Ω
R6K3	4822 051 30103	10K Ω
R601	4822 051 30473	47K Ω

Head Amplifier

CAPACITORS

C3H1	5322 122 34098	0.01µF
C3H2	5322 122 32448	10PF
C3H3	5322 122 34098	0.01µF
C3H4	5322 122 32448	10PF
C3H6	4822 122 32672	1µF/16V
C3H7	5322 122 34098	0.01µF
C3H8	4822 124 22727	47µF/16V
C3H9	4822 122 32672	1µF/16V
C3J2	5322 122 34098	0.01µF
C3J3	5322 122 32448	10PF
C3J4	5322 122 34098	0.01µF
C3J5	5322 122 32448	10PF
C3J6	4822 122 32672	1µF/16V
C3J9	5322 122 34098	0.01µF
C3K1	5322 122 32531	100PF
C3K3	5322 122 34098	0.01µF
C3K4	5322 122 34098	0.01µF
C3K5	4822 124 22727	47µF/16V
C3K6	5322 122 32531	100PF
C3K7	5322 122 32531	100PF
C3K8	5322 122 32531	100PF
C3K9	5322 122 32531	100PF
C3L1	5322 122 34098	0.01µF
C3L2	5322 126 10223	4700PF
C3L3	5322 122 34098	0.01µF
C3L4	5322 126 10223	4700PF
C3L5	4822 122 33714	0.1µF/25V
C3L6	4822 124 22728	100µF/16V
C3L7	5322 122 34098	0.01µF
C3L8	5322 122 34098	0.01µF
C3L9	4822 124 41839	10µF/6.3V
C3M1	5322 122 32659	33PF
C3M2	5322 126 10794	220PF
C3M3	5322 122 32452	47PF
C3M4	5322 122 32658	22PF
C3M6	5322 122 32452	47PF
C3M7	4822 122 32672	1µF/16V
C3M8	5322 122 34098	0.01
C3M9	4822 122 33514	68PF
C3N4	5322 122 32658	22PF
C3N5	4822 126 10006	7PF
C3N6	4822 126 10147	680PF
C3N7	5322 122 32658	22PF
C3N9	5322 122 34098	0.01µF
C3P1	5322 122 32531	100PF
C3P3	5322 122 34098	0.01µF
C3P4	4822 122 32672	1µF/16V
C3P6	5322 122 34098	0.01µF
C3P7	5322 122 34098	0.01µF
C3P8	4822 122 33714	0.1µF/25V
C3P9	5322 122 32658	22PF
C3Q1	5322 122 32531	100PF
C3Q2	5322 122 33538	150PF

DIODES

D3H1	4822 130 82315	1SS181
D3H2	4822 130 82315	1SS181
D3H3	4822 130 81166	1SS184

CONNECTORS

J3H1	4822 265 30966	
J3H2	4822 265 41213	10PIN
J3H3	4822 265 41214	12PIN
L3H5	4822 157 63879	

COILS

L3H1	4822 157 53875	
L3H2	4822 157 62732	22 µH
L3H3	4822 157 53874	
L3H4	4822 157 53874	
L3H6	4822 157 53875	
L3H7	4822 157 62732	22 µH
L3H8	4822 157 53876	
L3H9	4822 157 62732	22 µH
L3J1	4822 157 60178	
L3J2	4822 157 60178	
L3J3	4822 157 53873	100 µH
L3J5	4822 157 53872	
L3J6	4822 157 62725	12 µH

IC's

IC33	4822 209 61966	AN3346FBP
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TRANSISTORS

Q3H1	4822 130 43398	2SC2712 GR
Q3H2	4822 130 61424	2SC 2714 O
Q3H4	4822 130 60564	2SB956 (R)
Q3H5	4822 130 42733	2SA1162(G) FOR MIX A
Q3H6	4822 130 42733	2SA1162(G) FOR MIX A
Q3H7	4822 130 43406	2SD1328 (R)
Q3H8	4822 130 43406	2SD1328 (R)
Q3H9	4822 130 43406	2SD1328 (R)
Q3J1	4822 130 43406	2SD1328 (R)
Q3J2	4822 130 43398	2SC2712 GR
Q3J3	4822 130 43398	2SC2712 GR
Q3J4	4822 130 43398	2SC2712 GR
Q3J5	4822 130 43398	2SC2712 GR

RESISTORS

R3H1	4822 051 30222	2.2KΩ
R3H2	4822 051 30222	2.2KΩ
R3H3	4822 051 30222	2.2KΩ
R3H4	4822 051 30332	3.3KΩ
R3H5	4822 051 30684	680Ω
R3H6	4822 051 30332	3.3KΩ
R3H7	4822 051 30684	680Ω
R3H8	4822 051 30223	22KΩ
R3H9	4822 051 30223	22KΩ
R3J1	4822 051 30332	3.3KΩ
R3J2	4822 051 30223	22KΩ
R3J3	4822 051 30223	22KΩ
R3J4	4822 051 30332	3.3KΩ
R3J5	4822 051 30223	22KΩ
R3J6	4822 051 30223	22KΩ
R3J7	4822 051 30332	3.3KΩ
R3J8	4822 051 30223	22KΩ
R3J9	4822 051 30332	22KΩ
R3K1	4822 051 30332	3.3KΩ
R3K2	4822 051 30152	1.5KΩ
R3K3	4822 051 30103	10KΩ
R3K4	4822 051 30102	1KΩ
R3K5	4822 051 30152	1.5KΩ
R3K6	4822 051 30222	2.2KΩ
R3K7	4822 051 30684	680Ω
R3K9	4822 051 30332	3.3KΩ
R3L1	4822 051 30471	470Ω
R3L2	4822 051 30152	1.5KΩ
R3L4	4822 051 30471	470Ω
R3L5	4822 051 30221	220Ω
R3L6	4822 051 30222	2.2KΩ

Servo/Driver/System/Control

R602	4822 051 30472	4.7KΩ
R603	4822 051 30472	4.7KΩ
R604	4822 051 30473	47KΩ
R605	4822 051 30473	47KΩ
R606	4822 051 30473	47KΩ
R607	4822 051 30473	47KΩ
R608	4822 051 30473	47KΩ
R609	4822 111 91011	100Ω 1/8
R610	4822 111 91011	100Ω 1/8
R611	4822 051 30332	3.3KΩ
R612	4822 051 30682	6.8KΩ
R613	4822 051 30333	33KΩ
R616	4822 051 30103	10KΩ
R617	4822 051 30103	10KΩ
R620	4822 051 30473	47KΩ
R623	4822 051 30473	47KΩ
R624	4822 051 30473	47KΩ
R625	4822 051 30103	10KΩ
R626	4822 111 91028	220Ω 1/8
R627	4822 111 91028	220Ω 1/8
R628	4822 051 30332	3.3KΩ
R629	4822 051 30333	33KΩ
R630	4822 051 30152	1.5KΩ
R631	4822 051 30152	1.5KΩ
R632	4822 051 30103	10KΩ
R633	4822 051 30103	10KΩ
R634	4822 051 30103	10KΩ
R635	4822 116 82487	0Ω
R640	4822 051 30473	47KΩ
R641	4822 051 30473	47KΩ
R642	4822 051 30473	47KΩ
R643	4822 051 30102	1KΩ
R644	4822 051 30222	2.2KΩ
R645	4822 051 30472	4.7KΩ
R646	4822 051 30472	4.7KΩ
R647	4822 051 30472	4.7KΩ
R651	4822 051 30222	2.2KΩ
R652	4822 051 30103	10KΩ
R653	4822 100 11635	Trimmer
R654	4822 051 30152	1.5KΩ
R655	4822 051 30223	22KΩ
R656	4822 051 30223	22KΩ
R657	4822 051 30223	22KΩ
R658	4822 051 30473	47KΩ
R659	4822 051 30104	100KΩ
R660	4822 100 11608	10KΩ
R661	4822 051 30333	33KΩ
R662	4822 051 30103	10KΩ
R663	4822 051 30334	330KΩ
R664	4822 051 30104	100KΩ
R665	4822 051 30474	470KΩ
R666	4822 051 30474	470KΩ
R667	4822 051 30154	150KΩ
R670	4822 051 30102	1KΩ
R671	4822 051 30473	47KΩ
R674	4822 051 30473	47KΩ
R676	4822 051 30471	470Ω
R677	4822 051 30154	150KΩ
R678	4822 051 30154	150KΩ
R692	4822 051 30472	4.7KΩ
R693	4822 051 30472	4.7KΩ
R694	4822 051 30339	33Ω
R695	4822 051 30222	2.2KΩ
R697	4822 051 30472	4.7KΩ
R698	4822 051 30473	47KΩ
R699	4822 051 30104	100KΩ

CRYSTALS

X201 4822 242 72389
 X601 4822 242 73832 4.19MHZ (AT-38)

CONNECTORS

J4D0 4822 265 20504 2P

SWITCH

S4D0 4822 276 12455 SWITCH

A/V Selector**TRANSISTORS**

Q452	4822 130 43398	2SC2712 GR
Q453	4822 130 42733	2SA1162(G) FOR MIX A
Q454	4822 130 42733	2SA1162(G) FOR MIX A
Q455	4822 130 43398	2SC2712 GR
Q456	4822 130 43398	2SC2712 GR
Q460	4822 130 43398	2SC2712 GR
Q463	4822 130 42733	2SA1162(G) FOR MTX A
Q464	4822 130 43398	2SC2712 GR
Q465	4822 130 43398	2SC2712 GR
Q466	4822 130 42733	2SA1162(G) FOR MIX A

R483	4822 051 30222	2.2KΩ
R484	4822 051 30222	2.2KΩ
R485	4822 051 30223	22KΩ
R486	4822 051 30682	6.8KΩ
R487	4822 051 30472	4.7KΩ
R488	4822 051 30102	1KΩ
R489	4822 051 30102	1KΩ
R494	4822 051 30104	100KΩ
R495	4822 051 30104	100KΩ
R497	4822 051 30102	1KΩ
R498	4822 051 30152	1.5KΩ
R499	4822 051 30104	100KΩ

RESISTORS

R4K0	4822 051 30339	33Ω
R4K1	4822 051 30102	1KΩ
R4K2	4822 051 30473	47KΩ
R4K3	4822 051 30473	47KΩ
R4K6	4822 116 82487	0Ω
R4K7	4822 116 82487	0Ω
R4K8	4822 116 82487	0Ω
R4L0	4822 116 82487	0Ω
R4L1	4822 116 82487	0Ω
R4L2	4822 116 82487	0Ω
R4P0	4822 051 30472	4.7KΩ
R4P1	4822 051 30472	4.7KΩ
R4P2	4822 051 30759	75Ω
R4P3	4822 051 30154	150KΩ
R4P5	4822 051 30102	1KΩ
R4P6	4822 051 30102	1KΩ
R4P7	4822 051 30102	1KΩ
R4P8	4822 051 30102	1KΩ
R4P9	4822 051 30101	100Ω
R4Q0	4822 051 30101	100Ω
R4Q1	4822 116 82487	0Ω
R4Q5	4822 051 30472	4.7KΩ
R4Q7	4822 051 30152	1.5KΩ
R4Q8	4822 051 30683	68KΩ
R4Q9	4822 051 30153	15KΩ
R4R0	4822 051 30222	2.2KΩ
R4R1	4822 051 30103	10KΩ
R4R7	4822 051 30472	4.7KΩ
R4S0	4822 116 82487	0Ω
R451	4822 051 30153	15KΩ
R452	4822 051 30103	10KΩ
R453	4822 051 30103	10KΩ
R454	4822 051 30101	100Ω
R455	4822 051 30153	15KΩ
R456	4822 051 30103	10KΩ
R457	4822 051 30103	10KΩ
R458	4822 051 30101	100Ω
R459	4822 051 30221	220Ω
R461	4822 051 30103	10KΩ
R462	4822 051 30102	1KΩ
R463	4822 051 30104	100KΩ
R464	4822 051 30104	100KΩ
R465	4822 051 30154	150KΩ
R467	4822 051 30221	220Ω
R468	4822 051 30223	22KΩ
R470	4822 051 30759	CHIP RESISTER
R472	4822 051 30221	220Ω
R473	4822 051 30759	CHIP RESISTER
R474	4822 051 30221	220Ω
R475	4822 051 30229	22Ω
R476	4822 051 30229	22Ω
R477	4822 051 30759	CHIP RESISTER
R478	4822 051 30221	220Ω
R479	4822 051 30223	22KΩ
R482	4822 051 30222	2.2KΩ

SWITCHES

S451	4822 277 21403
S452	4822 277 21403

DIODES

Z451	4822 130 81169	02CZ5.6Y
Z452	4822 130 81169	02CZ5.6Y
Z453	4822 130 81169	02CZ5.6Y
Z454	4822 130 81169	02CZ5.6Y
Z455	4822 130 81169	02CZ5.6Y
Z456	4822 130 81169	02CZ5.6Y
Z457	4822 130 81169	02CZ5.6Y
Z458	4822 130 81169	02CZ5.6Y
Z459	4822 130 81169	02CZ5.6Y
Z460	4822 130 81169	02CZ5.6Y
Z461	4822 130 81169	02CZ5.6Y
Z462	4822 130 81169	02CZ5.6Y
Z468	4822 130 81169	02CZ5.6Y
Z469	4822 130 81169	02CZ5.6Y
Z470	4822 130 81169	02CZ5.6Y
Z471	4822 130 81169	02CZ5.6Y
Z472	4822 130 81169	02CZ5.6Y
Z473	4822 130 81169	02CZ5.6Y

Head Amplifier**A/V Selector**

R3L7	4822 051 30684	680Ω
R3L8	4822 051 30684	680Ω
R3L9	4822 051 30102	1KΩ
R3M1	4822 051 30221	220Ω
R3M5	4822 051 30102	1KΩ
R3M6	4822 051 30222	2.2KΩ
R3M7	4822 051 30332	3.3KΩ
R3M8	4822 051 30684	680Ω
R3M9	4822 051 30332	3.3KΩ
R3N1	4822 051 30684	680Ω
R3N2	4822 051 30222	2.2KΩ
R3N3	4822 051 30103	10KΩ
R3N4	4822 051 30153	15KΩ
R3N5	4822 051 30472	4.7KΩ
R3N6	4822 051 30472	4.7KΩ
R3N7	4822 051 30223	22KΩ
R3N8	4822 051 30103	10KΩ
R3N9	4822 051 30103	10KΩ
R3P1	4822 051 30103	10KΩ
R3P2	4822 051 30103	10KΩ
R3P3	4822 051 30473	47KΩ
R3P4	4822 051 30103	10KΩ
R3P5	4822 051 30333	33KΩ
R3P6	4822 051 30471	470Ω
R3P7	4822 051 30222	2.2KΩ
R3P8	4822 051 30331	330Ω
R3P9	4822 051 30152	1.5KΩ
R3Q1	4822 116 81008	4.7Ω
R3Q2	4822 051 30109	10Ω
R3Q3	4822 051 30103	10KΩ

CAPACITORS

C451	4822 124 22727	47μF/16V
C452	4822 124 41839	10μF/6.3V
C453	4822 124 41839	10μF/6.3V
C454	4822 124 22727	47μF/16V
C455	4822 124 41839	10μF/6.3V
C456	4822 124 41839	10μF/6.3V
C457	4822 124 41839	10μF/6.3V
C458	4822 124 41839	10μF/6.3V
C460	4822 126 12076	0.047μF/16V
C461	4822 124 41839	10μF/6.3V
C462	4822 124 41839	10μF/6.3V
C463	5322 122 32531	100PF
C466	4822 122 33127	2200PF
C467	4822 124 41839	10μF/6.3V
C468	5322 122 32531	100PF
C469	4822 126 12076	0.047μF/16V
C470	4822 124 23561	470μF/4V
C471	5322 122 32531	100PF
C472	4822 124 23561	470μF/4V
C473	5322 122 32531	100PF
C474	4822 124 41839	10μF/6.3V
C476	4822 122 33127	2200PF
C480	4822 124 41839	10μF/6.3V
C481	5322 122 34098	0.01μF
C482	4822 124 41839	10μF/6.3V
C484	4822 124 41839	10μF/6.3V
C486	4822 124 41839	10μF/6.3V
C487	5322 122 32531	100PF
C488	4822 124 22727	47μF/16V

DIODE

D452 4822 130 81166 1SS184

IC's

IC43	4822 209 60079	LA7222 ANALOG SW
IC44	4822 209 60079	LA7222 ANALOG SW

CONNECTORS

J451	4822 290 81385	
J452	4822 290 81385	
J453	4822 290 81386	
J454	4822 290 81386	
J455	4822 267 31204	2PIN
J456	4822 265 30862	6PIN
J457	4822 265 30571	5PIN
J458	4822 265 30561	4PIN
J459	4822 265 30857	4PIN
J460	4822 265 20361	2PIN
J461	4822 265 41215	10PIN
J462	4822 267 31204	2PIN
J463	4822 265 41212	14PIN
J464	4822 265 30961	
J465	4822 267 31385	
J466	4822 267 31385	
J478	4822 265 30861	5PIN

COILS

L452	4822 157 53873	100 μH
L453	4822 157 62724	1 MH
L454	4822 157 62724	1 MH
L455	4822 157 53873	100 μH

RF/ IF/ Chroma

CAPACITORS

C1A0	4822 122 32701	0.022μF
C1A1	4822 122 32701	0.022μF
C1A2	5322 122 34098	0.01μF
C1A3	5322 122 34098	0.01μF
C1A4	4822 124 22727	47μF/16V
C1A5	4822 124 41839	10μF/6.3V
C1A6	4822 122 33127	2200PF
C1A7	4822 124 22728	100μF/16V
C1A8	4822 124 22728	100μF/16V
C1C0	4822 124 22726	4.7μF/35V
C1C1	4822 124 22726	4.7μF/35V
C1C4	4822 124 22728	100μF/16V
C1C5	4822 124 22728	100μF/16V
C1C6	4822 124 22728	100μF/16V
C1C7	4822 124 22728	100μF/16V
C1C8	4822 124 22727	47μF/16V
C1C9	4822 124 22727	47μF/16V
C1D0	4822 124 22726	4.7μF/35V
C1D1	4822 124 22726	4.7μF/35V
C7A0	4822 122 32672	1μF/16V
C7A1	4822 124 41839	10μF/6.3V
C7A2	4822 124 41839	10μF/6.3V
C7C0	5322 122 34098	0.01μF
C7C1	4822 122 32843	0.022F
C7C2	4822 122 33714	0.1μF/25V
C7C3	4822 122 33714	0.1μF/25V
C7C4	4822 122 33714	0.1μF/25V
C7C5	4822 122 32672	1μF/16V
C7C6	4822 122 33714	0.1μF/25V
C7C7	4822 122 33714	0.1μF/25V
C7C8	4822 124 41839	10μF/6.3V
C7C9	4822 124 41839	10μF/6.3V
C7D0	5322 122 34098	0.01μF
C7D1	4822 122 33575	220PF
C7D2	4822 122 33714	0.1μF/25V
C7E0	4822 122 33127	2200PF
C7E4	5322 122 34098	0.01μF
C720	5322 122 34098	0.01μF
C730	4822 126 10147	680PF
C731	4822 122 32672	1μF/16V
C732	5322 122 34098	0.01μF
C733	4822 124 41841	4.7μF/6.3V
C735	5322 122 34098	0.01μF
C736	4822 124 41839	10μF/6.3V
C737	5322 122 34098	0.01μF
C738	4822 124 22727	47μF/16V
C739	5322 122 34098	0.01μF
C740	5322 122 34098	0.01μF
C741	5322 122 34098	0.01μF
C742	4822 122 32672	1μF/16V
C743	4822 122 32672	1μF/16V
C744	5322 122 34098	0.01μF
C745	5322 122 32448	10PF
C746	4822 122 33714	0.1μF/25V
C747	5322 122 34098	0.01μF
C749	5322 122 34098	0.01μF
C750	4822 122 33714	0.1μF/25V
C751	4822 122 33714	0.1μF/25V
C752	5322 122 32452	47PF
C753	5322 122 34098	0.01μF
C754	5322 122 32531	100PF
C755	4822 122 33714	0.1μF/25V
C757	4822 122 33514	68PF
C758	5322 122 32448	10PF
C759	4822 125 60155	20PF
C760	5322 122 32659	33PF
C763	5322 122 32659	33PF
C764	5322 122 34098	0.01μF

C765	4822 124 80087	220μF/6V
C766	5322 122 34098	0.01μF
C767	5322 126 10511	1000PF
C770	4822 126 10006	7PF
C774	4822 122 33709	3PF
C775	5322 122 32452	47PF
C776	5322 122 34098	0.01μF
C777	5322 122 34098	0.01μF
C778	5322 122 34098	0.01μF
C779	5322 122 34098	0.01μF
C780	5322 122 34098	0.01μF
C781	4822 122 33714	0.1μF/25V
C782	5322 122 34098	0.01μF
C783	5322 122 34098	0.01μF
C784	4822 124 22727	47μF/ 16V
C785	4822 124 41839	10μF/6.3V
C786	5322 122 34098	0.01μF
C788	4822 122 33714	0.1μF/25V
C789	5322 126 10511	0.001μF

DIODES

D1A0	4822 130 81166	1SS184
D1A2	4822 130 81167	MA701
D1A3	4822 130 81167	MA701
D1A4	4822 130 81166	1SS184
D710	4822 130 81166	1SS184
D711	4822 130 81711	1SV172
D712	4822 130 81711	1SV172
D713	4822 130 81711	1SV172
D714	4822 130 81711	1SV172
D715	4822 130 81711	1SV172
D716	4822 130 81711	1SV172
D717	4822 130 81168	1SS268
D720	4822 130 81711	1SV172
D721	4822 130 81711	1SV172

TUNER

E701	4822 210 10481	UHF/VHF TUNER
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IC's

IC1A	4822 209 60119	FA7610N
IC73	4822 209 30224	M52018FP-70NC IF IC
IC72	4822 209 31155	M51348AFP
IC74	4822 209 62503	74HC4053

CONNECTORS

J1A0	4822 265 30862	6PIN
J1A1	4822 265 30857	
J701	4822 267 40882	
J702	4822 267 41048	
J703	4822 265 41215	10PIN
J704	4822 265 30964	MOLEX FPC CONNECTOR
J705	4822 267 41048	

COILS

L1A0	4822 157 53867	
L1A1	4822 157 60429	
L1A3	4822 157 53865	
L1A4	4822 157 60431	
L1A5	4822 157 60429	
L1A6	4822 157 62732	22μH
L710	4822 157 53875	
L711	4822 156 21614	

RF/ IF/ Chroma

L712 4822 156 21614
 L720 4822 157 60427
 L721 4822 157 53871
 L730 4822 157 53872
 L740 4822 157 53872
 L741 4822 157 62322

TRANSISTORS

Q1A0 4822 130 61425	2SC2873-Y
Q710 4822 130 42733	2SA1162(G) FOR MIX A
Q711 4822 130 61884	RN1404
Q712 4822 130 61884	RN1404
Q713 4822 130 43398	2SC2712 GR
Q714 4822 130 43398	2SC2712 GR
Q715 4822 130 61424	2SC2714
Q716 4822 130 61885	RN1443
Q720 4822 130 61884	RN1404
Q721 4822 130 61424	2SC 2714 O
Q722 4822 130 43398	2SC2712 GR
Q723 4822 130 42733	2SA1162(G) FOR MIX A
Q724 4822 130 42733	2SA1162(G) FOR MIX A
Q725 4822 130 61884	RN1404
Q730 4822 130 43398	2SC2712 GR
Q731 4822 130 43398	2SC2712 GR
Q732 4822 130 43398	2SC2712 GR
Q740 4822 130 43398	2SC2712 GR
Q741 4822 130 61424	2SC 2714 O
Q745 4822 130 43398	2SC2712 GR

RESISTORS

R1A0 4822 051 30105	1MΩ
R1A1 4822 051 30682	6.8KΩ
R1A2 4822 100 11635	Trimmer
R1A3 4822 051 30473	47KΩ
R1A4 4822 116 82487	0Ω
R1A5 4822 051 30472	4.7KΩ
R1A6 4822 116 82487	0Ω
R1A7 4822 051 30101	100Ω
R1A8 4822 051 30224	220KΩ
R1A9 4822 051 30684	680KΩ
R1C0 4822 051 30333	33KΩ
R7A0 4822 051 30473	47KΩ
R7A1 4822 051 30103	10KΩ
R7A2 4822 051 30103	10KΩ
R7A3 4822 051 30109	10Ω
R7A4 4822 051 30103	10KΩ
R7A5 4822 051 30153	15KΩ
R7A6 4822 051 30153	15KΩ
R7A7 4822 051 30222	2.2KΩ
R7A8 4822 051 30223	22KΩ
R7C0 4822 051 30222	2.2KΩ
R7C1 4822 051 30333	33KΩ
R7C2 4822 051 30223	22KΩ
R7C3 4822 051 30682	6.8KΩ
R7C4 4822 051 30472	4.7KΩ
R7C5 4822 051 30472	4.7KΩ
R7C7 4822 051 30759	75Ω
R7D1 4822 051 30683	68KΩ
R7D2 4822 051 30472	4.7KΩ
R7D3 4822 051 30103	10KΩ
R7D4 4822 051 30332	3.3KΩ
R7D5 4822 051 30223	22KΩ
R7D6 4822 051 30102	1KΩ
R7D7 4822 051 30331	330Ω
R7D8 4822 051 30103	10KΩ
R7D9 4822 051 30223	22KΩ
R7E0 4822 051 30153	15KΩ
R7E1 4822 051 30152	1.5KΩ

R7E2 4822 051 30684	680Ω
R7E3 4822 051 30684	680Ω
R7E4 4822 051 30101	100Ω
R7E5 4822 051 30229	22Ω
R7E6 4822 116 82487	0Ω
R7E7 4822 051 30759	75Ω
R7F0 4822 051 30103	10KΩ
R7F2 4822 051 30222	2.2KΩ
R7F3 4822 051 30682	6.8KΩ
R7H0 4822 116 82487	0Ω
R7I8 4822 051 30472	4.7KΩ
R730 4822 051 30473	47KΩ
R731 4822 051 30104	100KΩ
R732 4822 051 30332	3.3KΩ
R733 4822 051 30102	1KΩ
R735 4822 100 11608	10KΩ
R736 4822 051 30333	33KΩ
R737 4822 116 82487	0Ω
R738 4822 051 30109	10Ω
R740 4822 051 30153	15KΩ
R741 4822 051 30103	10KΩ
R742 4822 116 82487	0Ω
R743 4822 051 30334	330KΩ
R744 4822 051 30334	330KΩ
R746 4822 051 30102	1KΩ
R747 4822 051 30472	4.7KΩ
R748 4822 051 30102	1KΩ
R749 4822 051 30472	4.7KΩ
R750 4822 051 30472	4.7KΩ
R751 4822 051 30472	4.7KΩ
R752 4822 051 30331	330Ω
R753 4822 051 30479	47Ω
R754 4822 051 30103	10KΩ
R756 4822 051 30103	10KΩ
R757 4822 051 30472	4.7KΩ
R758 4822 051 30472	4.7KΩ
R759 4822 051 30471	470Ω
R760 4822 051 30471	470Ω
R761 4822 051 30151	150Ω
R762 4822 051 30229	22Ω
R763 4822 051 30152	1.5KΩ
R764 4822 051 30684	680Ω
R765 4822 051 30684	680Ω
R766 4822 051 30479	47Ω
R767 4822 051 30104	100KΩ
R768 4822 051 30102	1KΩ
R769 4822 051 30682	6.8KΩ
R773 4822 051 30151	150Ω
R774 4822 051 30102	1KΩ
R775 4822 051 30479	47Ω
R776 4822 100 11604	1KΩφ255Δ
R777 4822 051 30331	330Ω
R778 4822 051 30221	220Ω
R779 4822 051 30102	1KΩ
R781 4822 051 30682	6.8KΩ
R782 4822 051 30222	2.2KΩ
R783 4822 051 30472	4.7KΩ
R792 4822 051 30684	680KΩ
R793 4822 051 30104	100KΩ
R794 4822 051 30684	680Ω
R795 4822 051 30103	10KΩ
R796 4822 051 30103	10KΩ
R797 4822 051 30103	10KΩ
R798 4822 051 30683	68KΩ
R799 4822 051 30473	47KΩ

TRANSFORMER

T1A0 4822 146 30835 TS5796

RF/ IF/ Chroma**Powersupply****CRYSTALS**

X701 4822 242 72929
 X702 4822 242 72928
 X703 4822 242 72931
 X704 4822 242 73622
 X705 4822 242 72187
 X706 4822 242 81166 CDA5.5MC30
 X707 4822 242 81167 CDA6.0MC30
 X708 4822 242 72926

LCD SCREEN

PL11 4822 130 91096 5.7INCH MULTI LCD LQ
 SP41 4822 240 30572 T050S01 2INCH

CAPACITORS

C101 4822 126 12076 0.047µF/16V
 C102 4822 126 12076 0.047µF/16V
 C103 4822 122 32672 1µF/16V
 C104 4822 122 32672 1µF/16V
 C105 5322 122 34099 470PF
 C106 5322 122 32452 47PF
 C107 5322 122 32659 33PF
 C108 5322 126 10794 220PF
 C109 4822 122 33805 330PF
 C110 4822 122 32672 1µF/16V
 C111 4822 124 22728 100µF/16V
 C112 4822 124 23463 220U/10V
 C113 4822 124 23463 220U/10V
 C114 4822 126 12076 0.047µF/16V
 C115 4822 122 32701 0.022µF
 C116 4822 124 23463 220U/10V
 C117 4822 124 23463 220U/10V
 C118 4822 122 32701 0.022µF
 C119 4822 122 32701 0.022µF
 C120 4822 124 23463 220U/10V
 C121 4822 124 22728 100µF/16V
 C122 4822 124 22728 100µF/16V
 C123 4822 124 22728 100µF/16V
 C124 4822 122 33714 0.1µF/25V
 C125 4822 124 22727 47µF/16V
 C126 4822 124 22727 47µF/16V
 C127 4822 124 23463 220U/10V
 C128 4822 124 21852 470µF/16V

DIODES

D101 4822 130 81166 1SS184
 D102 4822 130 82984 30DF1

FUSE

F102 4822 253 30376 3.15A

IC's

IC11 4822 209 82947 BA6149LS
 IC12 4822 209 83188 UN102

CONNECTORS

J102 4822 265 30561 4PIN
 J103 4822 265 30862 6PIN
 J104 4822 265 30561 4PIN
 J105 4822 265 30776 4PIN

SWITCH

S101 4822 276 80418 BUTTON UNIT

COILS

L101 4822 157 62727 150 µH
 L102 4822 157 62733 33 µH
 L103 4822 157 62737 470 µH
 L104 4822 157 62738 50 µH
 L105 4822 157 62735 330 µH
 L106 4822 157 62745 560 µH
 L107 4822 157 62738 50 µH
 L108 4822 157 62738 50 µH
 L109 4822 157 63878 LINE FILTER

Powersupply**Keyblock/ Timer Tuning****CIRCUIT PROTECTORS**

PR11	4822 252 20266	ICP-N25 1.0A 50V 0
PR12	4822 252 51083	ICP-N20 0.8A 50V 0
PR13	4822 252 51083	ICP-N20 0.8A 50V 0
PR14	4822 252 51083	ICP-N20 0.8A 50V 0

TRANSISTORS

Q101	4822 130 60335	2SA1037K
Q102	4822 130 60564	2SB956
Q103	4822 130 43406	2SD1328 (R)
Q104	4822 130 61354	2SA1213 (Y) CHIP
Q105	4822 130 43398	2SC2712 GR
Q107	4822 130 61884	RN1404
Q108	4822 130 43406	2SD1328 (R)

RESISTORS

R101	4822 051 30222	2.2KΩ
R102	4822 051 30103	10KΩ
R103	4822 051 30103	10KΩ
R104	4822 051 30222	2.2KΩ
R105	4822 051 30334	330KΩ
R106	4822 051 30154	150KΩ
R107	4822 051 30334	330KΩ
R108	4822 051 30683	68KΩ
R109	4822 051 30103	10KΩ
R110	4822 051 30472	4.7KΩ
R111	4822 051 30471	470Ω
R112	4822 051 30222	2.2KΩ
R113	4822 111 91014	1.2KΩ 1/8
R114	4822 051 30471	470Ω
R115	4822 051 30222	2.2KΩ
R116	4822 111 91014	1.2KΩ 1/8
R117	4822 051 30471	470Ω
R118	4822 051 30222	2.2KΩ
R119	4822 111 91021	1.5KΩ 1/8W
R120	4822 051 30471	470Ω
R121	4822 051 30222	2.2KΩ
R122	4822 111 91021	1.5KΩ 1/8
R123	4822 051 30471	470Ω
R124	4822 051 30222	2.2KΩ
R125	4822 111 91014	1.2KΩ 1/8
R126	4822 051 30471	470Ω
R127	4822 051 30222	2.2KΩ
R128	4822 111 91061	820Ω 1/8
R129	4822 051 30105	1MΩ
R130	4822 051 30153	15KΩ
R131	4822 100 11636	4.7KΩ
R132	4822 051 30153	15KΩ
R133	4822 051 30105	1MΩ
R134	4822 051 30684	680Ω
R135	4822 051 30102	1KΩ
R136	4822 051 30102	1KΩ
R137	4822 051 30472	4.7KΩ
R138	4822 051 30474	470KΩ
R139	4822 051 30105	1MΩ
R140	4822 051 30473	47KΩ
R141	4822 100 11636	4.7KΩ
R142	4822 051 30223	22KΩ
R143	4822 051 30104	100KΩ
R144	4822 111 91011	100Ω 1/8
R145	4822 111 91192	470Ω
R146	4822 051 30103	10KΩ
R147	4822 051 30103	10KΩ
R148	4822 051 30684	680Ω
R149	4822 111 91192	470Ω

CRYSTAL

X101	4822 242 73834	815KHZ
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CAPACITOR

C4D0	4822 124 41839	10μF/6.3V
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IC RECEIVER

IR01	4822 130 82318	IR RECEIVER
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CONNECTOR

J4D1	4822 265 30657	33PIN
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COIL

L4D0	4822 157 62723	100 μH
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CAPACITORS

C6K0	4822 124 41839	10μF/6.3V
C6K1	4822 126 12076	0.047μF
C6K2	4822 122 33714	0.1μF/25V
C6K3	5322 122 34098	0.01μF
C6K4	4822 124 41839	10μF/6.3V
C6L0	4822 125 60155	20PF
C6L1	5322 122 32658	22PF
C6L2	4822 122 33714	0.1μF/25V
C6L3	4822 124 41839	10μF/6.3V
C6L4	4822 126 12076	0.047μF
C6L5	5322 122 33538	150PF
C6L6	4822 122 33714	0.1μF/25V
C6L7	4822 124 22727	47μF/16V
C6L8	4822 122 32672	1μF/16V
C6L9	5322 122 32448	10PF
C6M0	5322 122 32659	33PF
C6M1	5322 122 32448	10PF

DIODES

D6K1	4822 130 82315	1SS181
D6K2	4822 130 82315	1SS181
D6K3	4822 130 82315	1SS181
D6K4	4822 130 81166	1SS184
D6K5	4822 130 81166	1SS184
D6K6	4822 130 81166	1SS184
D6K7	4822 130 81166	1SS184
D6K9	4822 130 81166	1SS184
D6L0	4822 130 81166	1SS184
D6L1	4822 130 81166	1SS184
D6L3	4822 130 82315	1SS181
D6L5	4822 130 81166	1SS184
D6L6	4822 130 81166	1SS184
D6L7	4822 130 81166	1SS184
D6L8	4822 130 81166	1SS184
D6L9	4822 130 81166	1SS184
D6M0	4822 130 81166	1SS184
D6M1	4822 130 82315	1SS181
D6M2	4822 130 82315	1SS181
D6M3	4822 130 81166	1SS184
D6M4	4822 130 82315	1SS181
D6M5	4822 130 81166	1SS184
D6M6	4822 130 32778	1SS133 1MHZ12NS

Luminance/ Chrominance

CAPACITORS

C301	5322 122 34098	0.01μF
C302	5322 122 34098	0.01μF
C303	4822 124 41839	10μF/6.3V
C304	4822 124 41839	10μF/6.3V
C305	5322 122 34098	0.01μF
C307	5322 122 34098	0.01μF
C308	5322 122 34098	0.01μF
C309	5322 122 32531	100PF
C310	5322 122 32531	100PF
C311	4822 124 41839	10μF/6.3V
C312	5322 122 34098	0.01μF
C313	4822 124 80087	220μF 6V
C314	4822 126 12076	0.047μF/10% 16V
C315	5322 122 32531	100PF
C316	4822 124 41841	4.7μF/6.3V
C317	4822 124 41839	10μF/6.3V
C318	4822 124 41841	4.7μF/6.3V
C319	4822 124 22727	47μF/16V
C320	5322 122 34098	0.01μF
C321	4822 122 33714	0.1μF/25V
C322	4822 122 32701	0.022μF
C323	4822 122 33514	68PF
C324	4822 122 33514	68PF
C325	4822 124 41839	10μF/6.3V
C326	4822 122 33514	68PF
C327	4822 126 10147	680PF
C328	5322 122 32531	100PF
C329	4822 122 33514	68PF
C330	4822 122 33514	68PF
C331	4822 124 41839	10μF/6.3V
C332	5322 122 34098	0.01μF
C334	4822 124 23127	0.47μF/35V
C335	4822 122 32672	1μF/16V
C336	4822 122 32672	1μF/16V
C337	5322 122 34098	0.01μF
C338	4822 122 32672	1μF/16V
C340	4822 124 41839	10μF/6.3V
C350	4822 122 33514	68PF
C801	4822 122 33714	0.1μF/25V
C802	5322 122 34098	0.01μF
C803	4822 122 32672	1μF/16V
C804	4822 122 33805	330PF
C805	4822 122 32672	1μF/16V
C806	4822 122 32672	1μF/16V
C807	4822 122 32701	0.022μF
C808	4822 126 12076	0.047μF/16V
C809	5322 122 34098	0.01μF
C810	4822 124 41839	10μF/6.3V
C811	5322 122 32531	100PF
C812	4822 122 33805	330PF
C814	5322 122 34098	0.01μF
C816	5322 122 34098	0.01μF
C817	4822 122 32672	1μF/16V
C818	4822 126 12076	0.047μF/16V
C819	5322 122 32659	33PF
C820	4822 122 33514	68PF
C821	5322 122 34098	0.01μF
C822	4822 124 80087	220μF/6V
C823	5322 122 34098	0.01μF
C824	5322 122 32531	100PF
C825	5322 122 34098	0.01μF
C826	5322 122 34098	0.01μF
C827	5322 122 34098	0.01μF
C828	5322 122 34098	0.01μF
C829	5322 122 34098	0.01μF
C831	5322 126 10511	0.001μF
C832	5322 126 10511	1000PF
C833	4822 122 32677	2.2μF/6.3V
C834	4822 122 32677	2.2μF/6.3V

C835	4822 124 41839	10μF/6.3V
C836	4822 124 41839	10μF/6.3V
C837	5322 122 34098	0.01μF
C838	4822 124 41839	10μF/6.3V
C839	4822 126 10006	7PF
C840	5322 122 34098	0.01μF
C841	4822 122 33514	68P
C842	5322 122 34098	0.01μF
C843	4822 124 22728	100μF/16V
C844	5322 122 34098	0.01μF
C845	5322 122 34098	0.01μF
C860	5322 122 34098	0.01 μF

DIODES

D303	4822 130 81166	1SS184
D304	4822 130 81166	1SS184
D801	4822 130 81166	1SS184
D802	4822 130 81166	1SS184

FILTERS

FL31	4822 153 70037	3.1MHZ-LPF PAL
FL81	4822 320 40219	BR124A53R PAL2H COMB
FL82	4822 153 70051	5.1MHZ-BPF PAL
FL83	4822 153 70048	1.6MHZ-LPF PAL
FL84	4822 153 70049	4.43MHZ-BPF

IC's

IC31	4822 209 63153	BA7259AK
IC32	4822 209 31157	TL8819 1HCCD PAL
IC81	4822 209 31156	LA7332M
IC82	4822 209 63155	LA7311 SECAM DET.

CONNECTORS

J301	4822 265 41216	18PIN
J302	4822 267 31204	2PIN
J303	4822 265 20361	2PIN
J304	4822 267 50868	8PIN

COILS

L301	4822 157 62732	22 μH
L302	4822 157 62732	22 nH
L303	4822 157 63879	68μH
L304	4822 157 53873	100 μH
L305	4822 157 53873	100 μH
L306	4822 157 63234	
L307	4822 157 62732	22 μH
L801	4822 157 53875	
L802	4822 157 62322	3.3 μH
L803	4822 157 60178	15 μH
L804	4822 157 62741	220 μH
L806	4822 157 62743	330 μH
L808	4822 157 62732	22 μH
L809	4822 157 53873	100 μH

TRANSISTORS

Q302	4822 130 43398	2SC2712 GR
Q303	4822 130 42733	2SA1162(G) FOR MIX A
Q305	4822 130 60564	2SB956 R
Q802	4822 130 43398	2SC2712 GR
Q803	4822 130 61424	2SC 2714 O
Q804	4822 130 43398	2SC2712 GR
Q806	4822 130 43398	2SC2712 GR

Timer Tuning

IC's

IC6K	4822 209 63157	TMP47C200AF
IC6L	4822 209 51935	BR93C46F (EE-PROM IC
IC6M	4822 209 63154	UPD4990AG
IC6N	4822 209 31158	TMP47C834F TT-UP FOR
IC6P	4822 209 61645	M51951AML
IC6R	4822 209 63152	S8052ALB (SOT-89)
IC6S	4822 209 31154	AN1555NS

CONNECTORS

J6K0	4822 265 51329	26PIN
J6K1	4822 265 30965	CONNECTOR
J6K2	4822 265 30858	3PIN
J6K3	4822 267 31204	2PIN
J6K5	4822 267 31204	2PIN
J6L2	4822 265 20504	2PIN

COILS

L6K0	4822 157 62723	100 μ H
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TRANSISTORS

Q6K0	4822 130 42733	2SA1162(G) FOR MIX A
Q6K1	4822 130 42733	2SA1162(G) FOR MIX A
Q6K2	4822 130 42733	2SA1162(G) FOR MIX A
Q6K3	4822 130 42733	2SA1162(G) FOR MIX A
Q6K4	4822 130 42733	2SA1162(G) FOR MIX A
Q6K5	4822 130 42733	2SA1162(G) FOR MIX A
Q6K6	4822 130 42733	2SA1162(G) FOR MIX A
Q6K7	4822 130 42733	2SA1162(G) FOR MIX A
Q6K8	4822 130 42733	2SA1162(G) FOR MIX A
Q6L0	4822 130 42733	2SA1162(G) FOR MIX A
Q6L1	4822 130 61884	RN1404
Q6L2	4822 130 43398	2SC2712 GR
Q6L3	4822 130 43398	2SC2712 GR
Q6L4	4822 130 61884	RN1404
Q6L5	4822 130 61884	RN1404
Q6L6	4822 130 61884	RN1404
Q6L7	4822 130 61884	RN1404
Q6L8	4822 130 42733	2SA1162(G) FOR MIX A
Q6L9	4822 130 61426	2SK208(Y)
Q6M0	4822 130 43398	2SC2712 GR
Q6M1	4822 130 61884	RN1404
Q6M2	4822 130 61884	RN1404
Q6M3	4822 130 61884	RN1404
Q6M4	4822 130 61884	RN1404
Q6M5	4822 130 61799	DTA144TK RIN 47K
Q6M6	4822 130 61799	DTA144TK RIN 47K

RESISTORS

R6K0	4822 051 30103	10K Ω
R6K1	4822 051 30103	10K Ω
R6K4	4822 051 30103	10K Ω
R6K5	4822 051 30103	10K Ω
R6K6	4822 051 30103	10K Ω
R6K7	4822 051 30103	10K Ω
R6K8	4822 051 30103	10K Ω
R6K9	4822 051 30103	10K Ω
R6L0	4822 051 30103	10K Ω
R6L1	4822 051 30103	10K Ω
R6L2	4822 051 30105	1M Ω
R6L3	4822 051 30103	10K Ω
R6L4	4822 051 30103	10K Ω
R6L5	4822 051 30222	2.2K Ω
R6L6	4822 051 30103	10K Ω

R6L7	4822 051 30103	10K Ω
R6L8	4822 051 30103	10K Ω
R6L9	4822 051 30103	10K Ω
R6M0	4822 051 30103	10K Ω
R6M1	4822 051 30103	10K Ω
R6M2	4822 051 30103	10K Ω
R6M3	4822 051 30103	10K Ω
R6M4	4822 051 30103	10K Ω
R6M5	4822 051 30103	10K Ω
R6M6	4822 051 30103	10K Ω
R6M9	4822 051 30103	10K Ω
R6N0	4822 051 30103	10K Ω
R6N1	4822 051 30473	47K Ω
R6N2	4822 051 30105	1M Ω
R6N3	4822 051 30102	1K Ω
R6N4	4822 051 30103	10K Ω
R6N5	4822 051 30105	1M Ω
R6N6	4822 051 30103	10K Ω
R6N7	4822 051 30103	10K Ω
R6N8	4822 051 30103	10K Ω
R6N9	4822 051 30103	10K Ω
R6P0	4822 051 30332	3.3K Ω
R6P1	4822 051 30332	3.3K Ω
R6P2	4822 051 30332	3.3K Ω
R6P3	4822 051 30472	4.7K Ω
R6P4	4822 051 30472	4.7K Ω
R6P5	4822 051 30472	4.7K Ω
R6P6	4822 051 30223	22K Ω
R6P7	4822 051 30223	22K Ω
R6P8	4822 051 30103	10K Ω
R6P9	4822 051 30103	10K Ω
R6Q0	4822 051 30103	10K Ω
R6Q1	4822 051 30103	10K Ω
R6Q2	4822 051 30473	47K Ω
R6Q3	4822 051 30473	47K Ω
R6Q4	4822 051 30103	10K Ω
R6Q5	4822 051 30222	2.2K Ω
R6Q6	4822 051 30222	2.2K Ω
R6Q7	4822 051 30103	10K Ω
R6Q9	4822 051 30103	10K Ω
R6R0	4822 051 30103	10K Ω
R6R2	4822 051 30103	10K Ω
R6R3	4822 051 30103	10K Ω
R6R4	4822 051 30103	10K Ω
R6R5	4822 051 30103	10K Ω
R6R6	4822 051 30103	10K Ω
R6R7	4822 051 30103	10K Ω
R6R8	4822 051 30683	68K Ω
R6S0	4822 051 30102	1K Ω

CRYSTALS

X6K0	4822 242 72223	
X6K1	4822 242 72236	32.768KHZ
X6K2	4822 242 72223	
X6K3	4822 242 72592	

Luminance/ Chrominance

Q807 4822 130 42733 2SA1162(G)FOR MIX AM
 Q815 4822 130 43398 2SC2712 GR

RESISTORS

R301 4822 051 30223 22KΩ
 R303 4822 051 30223 22KΩ
 R309 4822 051 30334 330KΩ
 R310 4822 100 11608 10KΩ
 R311 4822 051 30103 10KΩ
 R312 4822 100 11636 4.7KΩ
 R313 4822 051 30472 4.7KΩ
 R314 4822 051 30103 10KΩ
 R315 4822 051 30222 2.2KΩ
 R316 4822 051 30102 1KΩ
 R318 4822 051 30102 1KΩ
 R319 4822 051 30103 10KΩ
 R320 4822 051 30224 220KΩ
 R321 4822 100 11609 47KΩ
 R322 4822 051 30102 1KΩ
 R323 4822 051 30221 220Ω
 R324 4822 051 30102 1KΩ
 R325 4822 051 30102 1KΩ
 R326 4822 051 30682 6.8KΩ
 R327 4822 051 30151 150Ω
 R328 4822 051 30684 680Ω
 R329 4822 051 30333 33KΩ
 R330 4822 051 30471 470Ω
 R331 4822 051 30152 1.5KΩ
 R337 4822 100 11635
 R338 4822 051 30222 2.2KΩ
 R339 4822 051 30332 3.3KΩ
 R340 4822 051 30472 4.7KΩ
 R341 4822 051 30472 4.7KΩ
 R342 4822 116 82487 0Ω
 R343 4822 051 30222 2.2KΩ
 R352 4822 051 30473 47KΩ
 R353 4822 050 22205 2.2MΩ
 R802 4822 051 30223 22KΩ
 R803 4822 051 30152 1.5KΩ
 R805 4822 051 30102 1KΩ
 R806 4822 051 30102 1KΩ
 R807 4822 051 30102 1KΩ
 R808 4822 051 30222 2.2KΩ
 R812 4822 051 30152 1.5KΩ
 R813 4822 051 30479 47Ω
 R814 4822 051 30479 47Ω
 R815 4822 051 30102 1KΩ
 R816 4822 051 30221 220Ω
 R818 4822 051 30103 10KΩ
 R820 4822 051 30103 10KΩ
 R823 4822 051 30152 1.5KΩ
 R824 4822 051 30104 100KΩ
 R826 4822 051 30102 1KΩ
 R827 4822 051 30472 4.7KΩ
 R828 4822 051 30102 1KΩ
 R829 4822 051 30152 1.5KΩ
 R830 4822 051 30331 330Ω
 R831 4822 051 30151 150Ω
 R832 4822 051 30684 680Ω
 R833 4822 051 30331 330Ω
 R834 4822 051 30472 4.7KΩ
 R835 4822 051 30472 4.7KΩ
 R838 4822 051 30102 1KΩ
 R839 4822 051 30102 1KΩ
 R842 4822 051 30103 10KΩ
 R844 4822 051 30103 10KΩ
 R845 4822 051 30102 1KΩ
 R846 4822 051 30152 1.5KΩ
 R847 4822 051 30102 1KΩ

R848 4822 051 30479 47Ω
 R851 4822 116 82487 0Ω
 R852 4822 051 30103 10KΩ
 R854 4822 051 30105 1MΩ
 R855 4822 051 30105 1MΩ
 R856 4822 051 30103 10KΩ
 R857 4822 051 30222 2.2KΩ
 R895 4822 051 30472 4.7KΩ
 R896 4822 051 30472 4.7KΩ

CRYSTAL

X801 4822 242 72951 X'TAL 4.43MHZ FOR LA